

Washington State Register

JANUARY 21, 1998

OLYMPIA, WASHINGTON

ISSUE 98-02



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filed not later than January 7, 1998

CITATION

Cite all material in the Washington State Register by its issue number and sequence within that issue, preceded by the acronym WSR. Example: the 37th item in the August 5, 1981, Register would be cited as WSR 81-15-037.

PUBLIC INSPECTION OF DOCUMENTS

A copy of each document filed with the code reviser's office, pursuant to chapter 34.05 RCW, is available for public inspection during normal office hours. The code reviser's office is located on the ground floor of the Legislative Building in Olympia. Office hours are from 8 a.m. to 5 p.m., Monday through Friday, except legal holidays. Telephone inquiries concerning material in the Register or the Washington Administrative Code (WAC) may be made by calling (360) 786-6697.

REPUBLICATION OF OFFICIAL DOCUMENTS

All documents appearing in the Washington State Register are prepared and printed at public expense. There are no restrictions on the republication of official documents appearing in the Washington State Register. All news services are especially encouraged to give wide publicity to all documents printed in the Washington State Register.

CERTIFICATE

Pursuant to RCW 34.08.040, the publication of rules or other information in this issue of the Washington State Register is hereby certified to be a true and correct copy of such rules or other information, except that headings of public meeting notices have been edited for uniformity of style.

DENNIS W. COOPER
Code Reviser

STATE MAXIMUM INTEREST RATE

(Computed and filed by the State Treasurer under RCW 19.52.025)

The maximum allowable interest rate applicable for the month of January 1998 pursuant to RCW 19.52.020 is twelve point zero percent (12.00%).

NOTICE: FEDERAL LAW PERMITS FEDERALLY INSURED FINANCIAL INSTITUTIONS IN THE STATE TO CHARGE THE HIGHEST RATE OF INTEREST THAT MAY BE CHARGED BY ANY FINANCIAL INSTITUTION IN THE STATE. THE MAXIMUM ALLOWABLE RATE OF INTEREST SET FORTH ABOVE MAY NOT APPLY TO A PARTICULAR TRANSACTION.

WASHINGTON STATE REGISTER

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The Washington State Register is an official publication of the state of Washington. It contains proposed, emergency, and permanently adopted administrative rules, as well as other documents filed with the code reviser's office pursuant to RCW 34.08.020 and 42.30.075. Publication of any material in the Washington State Register is deemed to be official notice of such information.

Mary F. Gallagher Dilley
Chair, Statute Law Committee

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Code Reviser

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Chief Assistant Code Reviser

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Subscription Clerk

STYLE AND FORMAT OF THE WASHINGTON STATE REGISTER

1. ARRANGEMENT OF THE REGISTER

The Register is arranged in the following six sections:

- (a) **PREPROPOSAL**-includes the Preproposal Statement of Inquiry that will be used to solicit public comments on a general area of proposed rule making before the agency files a formal notice.
- (b) **PROPOSED**-includes the full text of formal proposals, continuances, supplemental notices, and withdrawals.
- (c) **PERMANENT**-includes the full text of permanently adopted rules.
- (d) **EMERGENCY**-includes the full text of emergency rules and rescissions.
- (e) **MISCELLANEOUS**-includes notice of public meetings of state agencies, rules coordinator notifications, summaries of attorney general opinions, executive orders and emergency declarations of the governor, rules of the state Supreme Court, and other miscellaneous documents filed with the code reviser's office under RCW 34.08.020 and 42.30.075.
- (f) **TABLE**-includes a cumulative table of the WAC sections that are affected in the current year.
- (g) **INDEX**-includes a combined subject matter and agency index.

Documents are arranged within each section of the Register according to the order in which they are filed in the code reviser's office during the pertinent filing period. The three part number in the heading distinctively identifies each document, and the last part of the number indicates the filing sequence with a section's material.

2. PRINTING STYLE—INDICATION OF NEW OR DELETED MATERIAL

RCW 34.05.395 requires the use of certain marks to indicate amendments to existing agency rules. This style quickly and graphically portrays the current changes to existing rules as follows:

- (a) In amendatory sections—
 - (i) underlined material is new material;
 - (ii) ~~deleted material is ((lined out between double parentheses))~~;
- (b) Complete new sections are prefaced by the heading **NEW SECTION**;
- (c) The repeal of an entire section is shown by listing its WAC section number and caption under the heading **REPEALER**.

3. MISCELLANEOUS MATERIAL NOT FILED UNDER THE ADMINISTRATIVE PROCEDURE ACT

Material contained in the Register other than rule-making actions taken under the APA (chapter 34.05 RCW) does not necessarily conform to the style and format conventions described above. The headings of these other types of material have been edited for uniformity of style; otherwise the items are shown as nearly as possible in the form submitted to the code reviser's office.

4. EFFECTIVE DATE OF RULES

- (a) Permanently adopted agency rules normally take effect thirty-one days after the rules and the agency order adopting them are filed with the code reviser's office. This effective date may be delayed or advanced and such an effective date will be noted in the promulgation statement preceding the text of the rule.
- (b) Emergency rules take effect upon filing with the code reviser's office unless a later date is provided by the agency. They remain effective for a maximum of one hundred twenty days from the date of filing.
- (c) Rules of the state Supreme Court generally contain an effective date clause in the order adopting the rules.

5. EDITORIAL CORRECTIONS

Material inserted by the code reviser's office for purposes of clarification or correction or to show the source or history of a document is enclosed in [brackets].

1997 - 1998
DATES FOR REGISTER CLOSING, DISTRIBUTION, AND FIRST AGENCY ACTION

Issue No.	Closing Dates ¹			Distribution Date	First Agency Hearing Date ³	Expedited Adoption ⁴
	Non-OTS & 30 p. or more	Non-OTS & 11 to 29 p.	OTS ² or 10 p. max. Non-OTS			
<i>For Inclusion in--</i>	<i>File no later than 12:00 NOON--</i>			<i>Count 20 days from--</i>	<i>For hearing on or after</i>	<i>First Agency Adoption Date</i>
97-16	Jul 9	Jul 23	Aug 6	Aug 20	Sep 9	Oct 4
97-17	Jul 23	Aug 6	Aug 20	Sep 3	Sep 23	Oct 18
97-18	Aug 6	Aug 20	Sep 3	Sep 17	Oct 7	Nov 1
97-19	Aug 20	Sep 3	Sep 17	Oct 1	Oct 21	Nov 15
97-20	Sep 3	Sep 17	Oct 1	Oct 15	Nov 4	Nov 29
97-21	Sep 24	Oct 8	Oct 22	Nov 5	Nov 25	Dec 20
97-22	Oct 8	Oct 22	Nov 5	Nov 19	Dec 9	Jan 3, 1998
97-23	Oct 22	Nov 5	Nov 19	Dec 3	Dec 23	Jan 17, 1998
97-24	Nov 5	Nov 19	Dec 3	Dec 17, 1997	Jan 6, 1998	Jan 31
98-01	Nov 26	Dec 10	Dec 24, 1997	Jan 7, 1998	Jan 27	Feb 21
98-02	Dec 10	Dec 24, 1997	Jan 7, 1998	Jan 21	Feb 10	Mar 7
98-03	Dec 24, 1997	Jan 7, 1998	Jan 21	Feb 4	Feb 24	Mar 21
98-04	Jan 7	Jan 21	Feb 4	Feb 18	Mar 10	Apr 4
98-05	Jan 21	Feb 4	Feb 18	Mar 4	Mar 24	Apr 18
98-06	Feb 4	Feb 18	Mar 4	Mar 18	Apr 7	May 2
98-07	Feb 18	Mar 4	Mar 18	Apr 1	Apr 21	May 16
98-08	Mar 4	Mar 18	Apr 1	Apr 15	May 5	May 30
98-09	Mar 25	Apr 8	Apr 22	May 6	May 26	Jun 20
98-10	Apr 8	Apr 22	May 6	May 20	Jun 9	Jul 4
98-11	Apr 22	May 6	May 20	Jun 3	Jun 23	Jul 18
98-12	May 6	May 20	Jun 3	Jun 17	Jul 7	Aug 1
98-13	May 20	Jun 3	Jun 17	Jul 1	Jul 21	Aug 15
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98-15	Jun 24	Jul 8	Jul 22	Aug 5	Aug 25	Sep 19
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98-20	Sep 9	Sep 23	Oct 7	Oct 21	Nov 10	Dec 5
98-21	Sep 23	Oct 7	Oct 21	Nov 4	Nov 24	Dec 19
98-22	Oct 7	Oct 21	Nov 4	Nov 18	Dec 8	Jan 2, 1999
98-23	Oct 21	Nov 4	Nov 18	Dec 2	Dec 22	Jan 16, 1999
98-24	Nov 4	Nov 18	Dec 2	Dec 16, 1998	Jan 5, 1999	Jan 30

¹All documents are due at the code reviser's office by 12:00 noon on or before the applicable closing date for inclusion in a particular issue of the Register; see WAC 1-21-040.

²A filing of any length will be accepted on the closing dates of this column if it has been prepared and completed by the order typing service (OTS) of the code reviser's office; see WAC 1-21-040. Agency-typed material is subject to a ten page limit for these dates; longer agency-typed material is subject to the earlier non-OTS dates.

³At least twenty days before the rule-making hearing, the agency shall cause notice of the hearing to be published in the Register; see RCW 34.05.320(1). These dates represent the twentieth day after the distribution date of the applicable Register.

⁴A minimum of forty-five days is required between the distribution date of the Register giving notice of the expedited adoption and the agency adoption date. No hearing is required, but the public may file written objections. See RCW 34.05.230, as amended by section 202, chapter 409, Laws of 1997.

REGULATORY FAIRNESS ACT

The Regulatory Fairness Act, chapter 19.85 RCW, was enacted in 1982 to minimize the impact of state regulations on small business. Amended in 1994, the act requires a small business economic impact analysis of proposed rules that impose more than a minor cost on twenty percent of the businesses in all industries, or ten percent of the businesses in any one industry. The Regulatory Fairness Act defines industry as businesses within a four digit SIC classification, and for the purpose of this act, small business is defined by RCW 19.85.020 as "any business entity, including a sole proprietorship, corporation, partnership, or other legal entity, that is owned and operated independently from all other businesses, that has the purpose of making a profit, and that has fifty or fewer employees."

Small Business Economic Impact Statements (SBEIS)

A small business economic impact statement (SBEIS) must be prepared by state agencies when a proposed rule meets the above criteria. Chapter 19.85 RCW requires the Washington State Business Assistance Center (BAC) to develop guidelines for agencies to use in determining whether the impact of a rule is more than minor and to provide technical assistance to agencies in developing a SBEIS. All permanent rules adopted under the Administrative Procedure Act, chapter 34.05 RCW, must be reviewed to determine if the requirements of the Regulatory Fairness Act apply; if an SBEIS is required it must be completed before permanent rules are filed with the Office of the Code Reviser.

Mitigation

In addition to completing the economic impact analysis for proposed rules, state agencies must take reasonable, legal, and feasible steps to reduce or mitigate the impact of rules on small businesses when there is a disproportionate impact on small versus large business. State agencies are encouraged to reduce the economic impact of rules on small businesses when possible and when such steps are in keeping with the stated intent of the statute(s) being implemented by proposed rules. Since 1994, small business economic impact statements must contain a list of the mitigation steps taken, or reasonable justification for not taking steps to reduce the impact of rules on small businesses.

When is an SBEIS Required?

When:

The proposed rule has more than a minor (as defined by the BAC) economic impact on businesses in more than twenty percent of all industries or more than ten percent of any one industry.

When is an SBEIS Not Required?

When:

The rule is proposed only to comply or conform with a federal law or regulation, and the state has no discretion in how the rule is implemented;

There is less than minor economic impact on business;

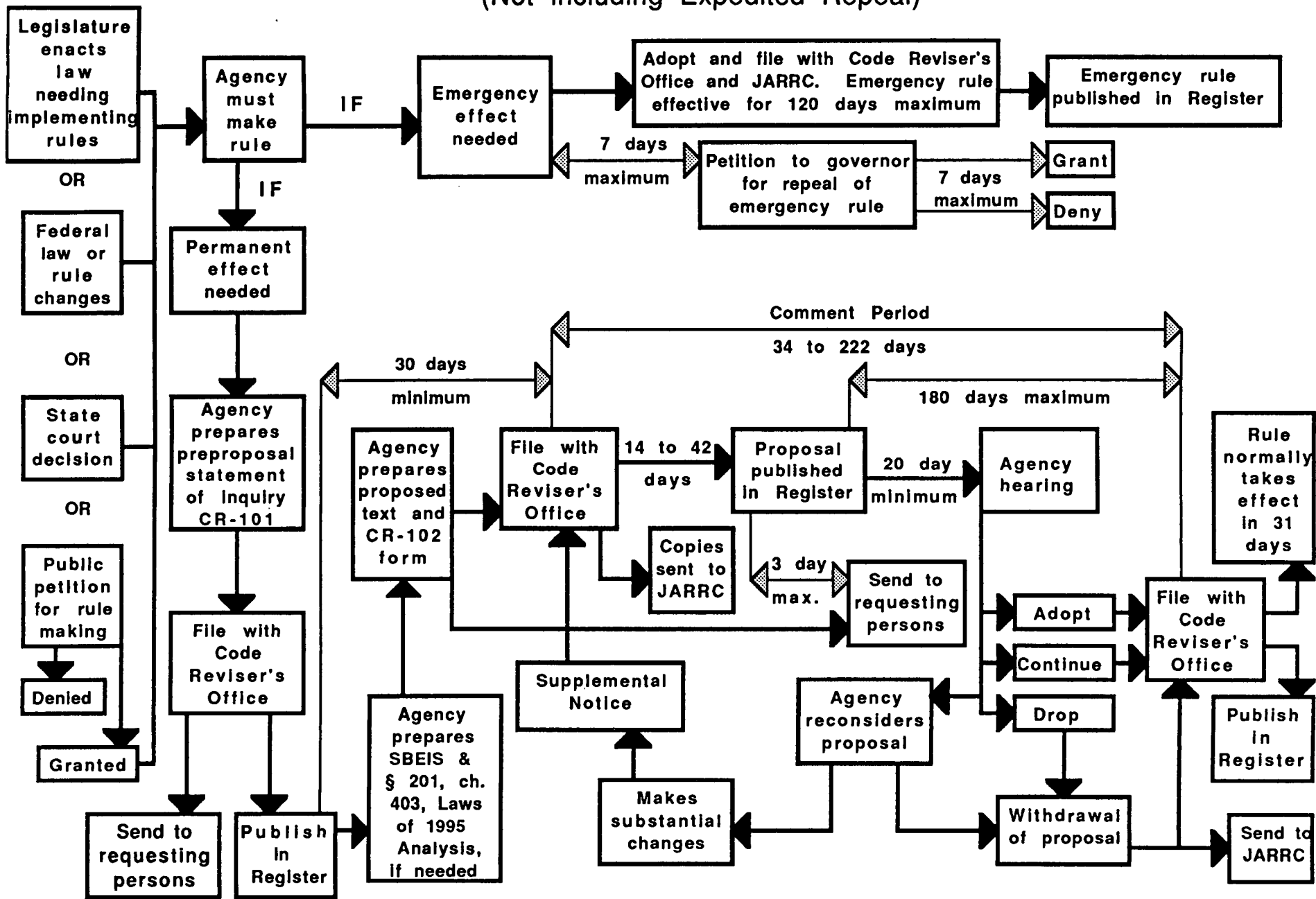
The rule REDUCES costs to business (although an SBEIS may be a useful tool for demonstrating this reduced impact);

The rule is adopted as an emergency rule, although an SBEIS may be required when an emergency rule is proposed for adoption as a permanent rule; or

The rule is pure restatement of state statute.

RULE-MAKING PROCESS

(Not including Expedited Repeal)



WSR 98-02-013**PREPROPOSAL STATEMENT OF INQUIRY
DEPARTMENT OF AGRICULTURE**

[Filed December 29, 1997, 4:00 p.m.]

Subject of Possible Rule Making: Chapter 16-100 WAC, Refrigerated locker establishments—Recording thermometers.

Statutes Authorizing the Agency to Adopt Rules on this Subject: RCW 19.32.030.

Reasons Why Rules on this Subject may be Needed and What They Might Accomplish: The department has conducted a review of the above mentioned rules under the provisions of the Governor's Executive Order 97-02 and has determined that the rules are necessary and should be retained. The rule is necessary to comply with the statutes that authorize it. The rule is NOT obsolete, duplicative, ambiguous to a degree it warrants repeal or revision. No laws or circumstances have changed that would warrant the rule being amended or repealed. The rule is necessary to protect/safeguard health, welfare, safety of Washington's citizens and, although not written in the new clear and readable rules format, it is concise and fairly easy to read.

Other Federal and State Agencies that Regulate this Subject and the Process Coordinating the Rule with These Agencies: None.

Process for Developing New Rule: A rules review was conducted in accordance with the Governor's Executive Order 97-02. Results of the review will be shared with representatives of the rules stakeholders.

Interested parties can participate in the decision to adopt the new rule and formulation of the proposed rule before publication. The department is seeking input on its decision to retain the rules. You may comment in writing to Washington State Department of Agriculture, Administrative Regulations Unit, P.O. Box 42560, Olympia, WA 98504-2560, or FAX at (360) 902-2092, or e-mail kbromley@agr.wa.gov. For a copy of the review report contact Mike Donovan, Food Safety Program Manager, (360) 902-1883.

December 4, 1997

Michael J. Donovan

Food Safety Program Manager

WSR 98-02-021**PREPROPOSAL STATEMENT OF INQUIRY
BOARD OF TAX APPEALS**

[Filed December 30, 1997, 2:49 p.m.]

Subject of Possible Rule Making: Public records, chapter 456-12 WAC.

Statutes Authorizing the Agency to Adopt Rules on this Subject: RCW 42.17.250.

Reasons Why Rules on this Subject may be Needed and What They Might Accomplish: RCW 42.17.250 requires agencies to publish in the Washington Administrative Code procedures to inspect and copy public records. As directed by Executive Order 97-02, the Board of Tax Appeals will review and update its existing rules on public records.

Other Federal and State Agencies that Regulate this Subject and the Process Coordinating the Rule with These Agencies: None.

Process for Developing New Rule: The board invites the interested public to review and provide input on the proposed amendments to this rule. Draft material and information about how to participate are available by contacting the person identified below.

Interested parties can participate in the decision to adopt the new rule and formulation of the proposed rule before publication. Interested parties can participate in the formulation of the proposed rule amendments before publication by contacting Richard Virant, Executive Director, Board of Tax Appeals, P.O. Box 40915, Olympia, WA 98504-0915, phone (Voice/TDD) (360) 753-5446, FAX (360) 586-9020, e-mail bta@bta.state.wa.us. Comments must be received by February 27, 1998.

December 24, 1997

R. A. Virant

Executive Director

WSR 98-02-032**PREPROPOSAL STATEMENT OF INQUIRY
DEPARTMENT OF TRANSPORTATION**

[Filed December 31, 1997, 3:14 p.m.]

Subject of Possible Rule Making: Revision to WAC 468-38-070 Maximums for special permits. Opportunity to make allowances for overheight hay bales on preapproved routes.

Statutes Authorizing the Agency to Adopt Rules on this Subject: RCW 46.44.090 Special permits for oversize and overweight movements.

Reasons Why Rules on this Subject may be Needed and What They Might Accomplish: It has been stated that many ranchers that harvest their own hay for their own consumption have been placed in a position of economic burden transporting the hay at legal limits. With an exemption/allowance for a few inches overheight they can deliver a significant increase of hay to stock at remote locations without added trips. This [is] very similar to the current empty apple bin allowance in the same WAC.

Other Federal and State Agencies that Regulate this Subject and the Process Coordinating the Rule with These Agencies: Federal Highway Administration, Office of Motor Carrier.

Process for Developing New Rule: Negotiated rule making, the Washington State Department of Transportation will draft a proposed rule change which will be reviewed by selected ranchers and the federal Office of Motor Carrier. The standard filing, comment period and hearing will also be used.

Interested parties can participate in the decision to adopt the new rule and formulation of the proposed rule before publication by contacting Barry Diseth, Administrator, Motor Carrier Services, phone (360) 664-9497, FAX (360) 664-9440. There are no formally scheduled meetings at this time.

December 31, 1997

Gerald E. Smith

Deputy Secretary, Operations

WSR 98-02-050
PREPROPOSAL STATEMENT OF INQUIRY
LAKE WASHINGTON
TECHNICAL COLLEGE
 [Filed January 6, 1998, 11:15 a.m.]

Subject of Possible Rule Making: Regular meeting time for the board of trustees.

Statutes Authorizing the Agency to Adopt Rules on this Subject: RCW 28B.50.140.

Reasons Why Rules on this Subject may be Needed and What They Might Accomplish: Amendment of regular board meeting time.

Process for Developing New Rule: Negotiated rule making.

Interested parties can participate in the decision to adopt the new rule and formulation of the proposed rule before publication. Attend public meetings of the Lake Washington board of trustees; write to Gary Cohn, Vice-President of Administrative Services, 11605 132nd Avenue N.E., Kirkland, WA 98034; call (425) 739-8201; or FAX (425) 739-8299.

January 5, 1998
 D. W. Fowler
 President

WSR 98-02-057
PREPROPOSAL STATEMENT OF INQUIRY
DEPARTMENT OF
SOCIAL AND HEALTH SERVICES
 (Children's Administration)
 [Filed January 6, 1998, 4:07 p.m.]

Subject of Possible Rule Making: In chapter 388-155 WAC, Minimum licensing requirements for family child day care homes; WAC 388-155-180 Staffing—Qualifications, 388-155-190 Capacity, 388-155-200 Development and training, and 388-155-470 Personnel records; and any other related sections. In chapter 388-150 WAC, Minimum licensing requirements for child day care centers; WAC 388-150-180 Staff pattern and qualifications, 388-150-190 Group size and staff-child ratios, 388-150-200 Staff development and training, and 388-150-470 Personnel policies and records; and any other related sections. In chapter 388-151 WAC, School-age child care center minimum licensing requirements; WAC 388-151-180 Staff pattern and qualifications, 388-151-190 Group size and staff-child ratios, 388-151-200 Staff development, orientation, and training, and 388-151-470 Personnel policies and records; and any other related sections.

Statutes Authorizing the Agency to Adopt Rules on this Subject: RCW 74.15.030.

Reasons Why Rules on this Subject may be Needed and What They Might Accomplish: Changes in WAC are needed to comply with Section 202(8), Legislative Budget for 1997-1999 Biennium which states: "The department shall adopt rules to require annual training in early childhood education development of all directors, supervisors, and lead staff at child care facilities . . . includ(ing) persons licensed as family child care providers, and persons employed at child care centers or school age child care centers."

Other Federal and State Agencies that Regulate this Subject and the Process Coordinating the Rule with These Agencies: Department of Social and Health Services - Office of Child Care Policy (OCCP), Office of Superintendent of Public Instruction, Child Care Coordinating Committee, Department of Health, State Fire Marshal's Office, Department of Social and Health Services - Economic Services Administration, Department of Community, Trade and Economic Development, State Board for Community and Technical Colleges, Higher Education Coordinating Board, Federal Headstart Bureau, and Indian tribes within the state of Washington. All of these listed groups are represented on the Child Care Coordinating Committee.

Process for Developing New Rule: The Department of Social and Health Services encourages the public to take part in developing these rules. To participate in drafting the rules or to request to be on the OCCP mailing list contact the staff persons indicated below. The Department of Social and Health Services will file a copy of the proposed rule with the office of the code reviser and will send a copy to everyone currently on the mailing list and anyone else who requests a copy. The department encourages anyone interested in these rules to send written comments. All comments will be seriously considered before rules are adopted.

Interested parties can participate in the decision to adopt the new rule and formulation of the proposed rule before publication by contacting Susan Kavanaugh, Office of Child Care Policy, P.O. Box 45700, Olympia, WA 98504, phone (360) 902-8043, FAX (360) 902-7903, e-mail kasu300@DSHS.wa.gov; and Gretchen Stahr-Breunig, Office of Child Care Policy, P.O. Box 45700, Olympia, WA 98504, phone (360) 902-0217, FAX (360) 902-7903, e-mail breg300@DSHS.wa.gov.

January 5, 1998
 Merry A. Kogut, Manager
 Rules and Policies Assistance Unit

WSR 98-02-068
PREPROPOSAL STATEMENT OF INQUIRY
LIQUOR CONTROL BOARD
 [Filed January 7, 1998, 10:26 a.m.]

Subject of Possible Rule Making: Changes in retail licensing process.

Statutes Authorizing the Agency to Adopt Rules on this Subject: RCW 66.08.030.

Reasons Why Rules on this Subject may be Needed and What They Might Accomplish: The board will consider changes to its licensing process to assist communities that experience severe impacts due to the sale and consumption of alcohol.

Other Federal and State Agencies that Regulate this Subject and the Process Coordinating the Rule with These Agencies: None.

Process for Developing New Rule: Input from retail licensees, local governments and other interested parties will be obtained through series of public meetings.

Interested parties can participate in the decision to adopt the new rule and formulation of the proposed rule before publication by contacting Greg Nordlund, Rules Coordinator,

P.O. Box 43080, Olympia, WA 98504-3080, (360) 586-0875,
FAX (360) 704-4925.

January 7, 1998
Charles F. Brydon
Board Member

WSR 98-02-079
PREPROPOSAL STATEMENT OF INQUIRY
DEPARTMENT OF
LABOR AND INDUSTRIES
[Filed January 7, 1998, 11:40 a.m.]

Subject of Possible Rule Making: Chapter 296-125 WAC, Nonagricultural employment of minors.

Statutes Authorizing the Agency to Adopt Rules on this Subject: Chapter 49.12 RCW, the Industrial Welfare Act.

Reasons Why Rules on this Subject may be Needed and What They Might Accomplish: As a result of the rule review process mandated by the Governor's Executive Order 97-02, the department is considering amendments to chapter 296-125 WAC to clarify what requirements an employer must satisfy in order to employ a minor and the requirements for the special variance process. Specifically, the department will consider clear rule writing and substantive amendments to WAC 296-125-020 Minor work permits, 296-125-026 Parent/school authorization forms, 296-125-028 Meal and rest breaks for minors, 296-125-050 Posting, recordkeeping, and authority to enter, inspect, and investigate, 296-125-060 Variances, and 296-125-070 Special variances.

Other Federal and State Agencies that Regulate this Subject and the Process Coordinating the Rule with These Agencies: United States Department of Labor, Wages and Hours Division. The Department of Labor and Industries will consult the United States Department of Labor through meetings and written correspondence.

Process for Developing New Rule: The department will utilize stakeholder involvement and follow the Administrative Procedure Act process in promulgating any proposed rule amendments.

Interested parties can participate in the decision to adopt the new rule and formulation of the proposed rule before publication. For specific information and opportunities for involvement, contact Greg Mowat, Program Manager, Employment Standards, phone (360) 902-5310, FAX (360) 902-5300, Department of Labor and Industries, P.O. Box 44510, Olympia, WA 98504-4510.

January 7, 1998
Mary Pat Frederick
for Gary Moore
Director

WSR 98-02-080
PREPROPOSAL STATEMENT OF INQUIRY
DEPARTMENT OF
LABOR AND INDUSTRIES
[Filed January 7, 1998, 11:41 a.m.]

Subject of Possible Rule Making: Chapter 296-81 WAC, Safety rules governing elevators, dumbwaiters, escalators, and lifting devices—Moving walks.

Statutes Authorizing the Agency to Adopt Rules on this Subject: Chapter 70.87 RCW.

Reasons Why Rules on this Subject may be Needed and What They Might Accomplish: Chapter 70.87 RCW mandates that the department adopt rules necessary to implement and enforce the chapter. Executive Order 97-02 orders the department to review its rules and make any necessary amendments needed to update them and improve their clarity. The department's regulatory improvement priority states that the department will develop and enforce rules that are necessary, fair, understandable and consistent. Consequently, the elevator program will clear rule write chapter 296-81 WAC, update its code references where appropriate and make any other necessary substantive changes after consulting with the Elevator Advisory Board and industry representatives.

Other Federal and State Agencies that Regulate this Subject and the Process Coordinating the Rule with These Agencies: The department is the only agency that regulates the subject of elevator safety rules.

Process for Developing New Rule: The chief elevator inspector with major input from the Elevator Advisory Board and the industry will develop rule language. The rule will be promulgated according the Administrative Procedure Act process.

Interested parties can participate in the decision to adopt the new rule and formulation of the proposed rule before publication by contacting Jan Gould, Chief Elevator Inspector, Department of Labor and Industries, Specialty Compliance Services Division, P.O. Box 44480, Olympia, WA 98504-4480, phone (360) 902-6128, FAX (360) 902-6132.

January 6, 1998
Gary Moore
Director



WSR 98-02-012
PROPOSED RULES
INSURANCE COMMISSIONER'S OFFICE
 [Filed December 29, 1997, 2:55 p.m.]

Continuance of WSR 97-21-155.

Title of Rule: Managed care health plan rules.

Purpose: Continuation of adoption date to January 8, 1998.

Other Identifying Information: Insurance Commissioner Matter No. R 97-3.

Date of Intended Adoption: Continued until January 8, 1998.

December 29, 1997
 Robert A. Harkins
 Deputy Commissioner

WSR 98-02-016
WITHDRAWAL OF PROPOSED RULES
DEPARTMENT OF
FISH AND WILDLIFE
 [Filed December 30, 1997, 2:17 p.m.]

The Department of Fish and Wildlife withdraws proposed amendments to WAC 232-28-265, as filed in WSR 97-22-100.

Evan Jacoby
 Rules Coordinator

WSR 98-02-059
PROPOSED RULES
DEPARTMENT OF
SOCIAL AND HEALTH SERVICES
 (Medical Assistance Administration)
 [Filed January 6, 1998, 4:17 p.m.]

Original Notice.

Preproposal statement of inquiry was filed as WSR 97-11-081.

Title of Rule: WAC 388-540-005 Definitions, 388-540-030 ESRD eligibility, and 388-540-060 Procedures for ESRD eligibility determination.

Purpose: These amendments clarify language, alphabetize definitions, and provide information about determining client eligibility for the state-funded kidney disease program.

Statutory Authority for Adoption: RCW 74.08.090.

Statute Being Implemented: RCW 74.04.005, 74.08.025.

Summary: See above.

Name of Agency Personnel Responsible for Drafting: Joanie Scotson, P.O. Box 45530, Olympia, WA 98504, (360) 753-7462; Implementation and Enforcement: Maxine Lucas, P.O. Box 45530, Olympia, WA 98504, (360) 753-5742.

Name of Proponent: Department of Social and Health Services, governmental.

Rule is not necessitated by federal law, federal or state court decision.

Explanation of Rule, its Purpose, and Anticipated Effects: These rules simplify the language, and update eligibility requirements and procedures for applying for the kidney disease program.

Proposal Changes the Following Existing Rules: Defines standards and methods for determining eligibility for the kidney disease program, clarifies language, and alphabetizes definitions.

No small business economic impact statement has been prepared under chapter 19.85 RCW. This rule does not have an economic impact on small businesses.

RCW 34.05.328 does not apply to this rule adoption. RCW 34.05.328 (5)(b)(vii) exempts the Department of Social and Health Services rules that apply to client medical or financial eligibility.

Hearing Location: OB-2 Auditorium, 1115 Washington Street S.E., Olympia, WA 98504, on February 10, 1998, at 10:00 a.m.

Assistance for Persons with Disabilities: Contact Paige Wall by February 2, 1998, phone (360) 902-7540, TTY (360) 902-8324, e-mail pwall@dshs.wa.gov.

Submit Written Comments to and Identify WAC Numbers: Paige Wall, Rules Coordinator, Rules and Policies Assistance Unit, P.O. Box 45850, Olympia, WA 98504-5850, FAX (360) 902-8292, by February 10, 1998.

Date of Intended Adoption: No sooner than February 11, 1998.

January 5, 1998
 Merry A. Kogut, Manager
 Rules and Policies Assistance Unit

AMENDATORY SECTION (Amending Order 3600, filed 7/28/93, effective 8/28/93)

WAC 388-540-005 Definitions. For the purpose of administering the state kidney disease program (KDP), the following shall apply:

~~((1) "End stage renal disease (ESRD)" means that stage of renal impairment which is irreversible and permanent, and requires dialysis or kidney transplantation to ameliorate uremic symptoms and maintain life;~~

~~(2) "ESRD Client" means resident of the state with a diagnosis of ESRD;~~

~~(3) "Kidney center" means those facilities as defined and certified by the federal government to provide ESRD services and which provide the services specified in this chapter and which promote and encourage home dialysis for a client when medically indicated;~~

~~(4) "Affiliate" means a facility, hospital, unit, business, or person having an agreement with a kidney center to provide specified services to ESRD patients;~~

~~(5) "State kidney disease program" means state general funds appropriated to the department to assist clients with ESRD in meeting the cost of medical care;~~

~~(6) "Application for ESRD eligibility" means the form provided by the department which the client completes and submits to determine ESRD eligibility;~~

~~(7) "Certification" or "certified" means the department has approved a client for the state kidney disease program under this chapter;~~

~~(8) "ESRD application period" means the time between the date of application and certification;~~

~~(9) "Resources" means income or assets or any real or personal property that a person or the person's spouse owns and could convert to cash to be used for support or maintenance;~~

(10) "Fair market value" means the current worth of a resource at the time of transfer or, if earlier contract for sale, or date of application;

(11) "Adequate consideration" means that the reasonable value of goods or services received in exchange for transferred property approximates the reasonable value of the property transferred;

(12) "Transfer" means any act or omission to act whereby title to or any interest in property is assigned, set over, or otherwise vested or allowed to vest in another person;

(13) "Reasonable value" means the amount that the property is worth on the open market;

(14) A "substantial reduction" means:

(a) The elimination of a client's required annual deductible amount; or

(b) The reduction of resources to below fifteen hundred dollars.) "Adequate consideration" means that the reasonable value of goods or services received in exchange for transferred property approximates the reasonable value of the property transferred;

"Affiliate" means a facility, hospital, unit, business, or person having an agreement with a kidney center to provide specified services to ESRD patients;

"Application for KDP eligibility" means the form provided by the department which the client completes and submits to determine KDP eligibility;

"Assets" means income or resources or any real or personal property that a person or the person's spouse owns and could convert to cash to be used for support or maintenance;

"Break in service" means a previously certified client does not have medical coverage for a period of time when a new application for eligibility is submitted more than thirty days after the end of a previous certification period;

"Certification" or "certified" means the kidney center has determined a client eligible for the KDP for a period of time under this chapter;

"Department" means the department of social and health services;

"End stage renal disease (ESRD)" means that stage of renal impairment which is irreversible and permanent, and requires dialysis or kidney transplantation to ameliorate uremic symptoms and maintain life;

"KDP application period" means the time between the date of application and certification;

"KDP Client" means resident of the state with a diagnosis of ESRD;

"Kidney center" means those facilities as defined and certified by the federal government to provide ESRD services and which provide the services specified in this chapter and which promote and encourage home dialysis for a client when medically indicated;

"Recertifying client" means a KDP client who was determined eligible the previous year for the KDP and will continue to qualify under this chapter;

"Resident." Refer to WAC 388-505-0510;

"State kidney disease program (KDP)" means state general funds appropriated to the department to assist clients with ESRD in meeting the cost of medical care;

"Substantial financial change" means:

(1) The elimination of a client's required annual deductible amount; or

(2) The increase or decrease of income or assets by fifteen hundred dollars.

"Transfer" - Refer to WAC 388-500-0005;

"Value-fair market" - Refer to WAC 388-500-0005.

AMENDATORY SECTION (Amending Order 3600, filed 7/28/93, effective 8/28/93)

WAC 388-540-030 ((ESRD)) KDP eligibility. ((The kidney center shall review at least annually the client's ESRD eligibility for the state kidney disease program according to procedures outlined in this chapter. A client shall be considered eligible when the client exhausts or is ineligible for all other resources providing similar benefits to meet the costs of ESRD related medical care. Resources shall include:

(1) Income in excess of a level necessary to maintain a moderate standard of living, as defined by the department, using accepted national standards;

(2) Savings, property, and other assets;

(3) Government and private medical insurance programs;

(4) Government or private disability programs;

(5) Local funds raised for the purpose of providing financial support for a specified ESRD client. *Provided,* That in determining eligibility the following resources shall be exempt:

(a) A home, defined as real property owned by a client as a principal place of residence, together with the property surrounding and contiguous thereto, not to exceed five acres. Commercial property or property used for the purpose of producing income shall be considered excess property and shall be subject to the limitations of subsection (5)(d) of this section;

(b) Household furnishings;

(c) An automobile; and

(d) Savings, property or other assets, the value not to exceed the sum of five thousand dollars.))

(1) A client is KDP eligible who meets the following requirements:

(a) Is a Washington state resident;

(b) Has countable resources, not exempted under subsection (2) of this section, equal to or lower than fifteen thousand dollars;

(c) Has countable income as defined under WAC 388-500-0005 equal to or lower than three hundred percent of the federal poverty level (FPL); and

(d) Exhausts or is ineligible for all other resources providing similar benefits to meet the cost of ESRD-related medical care, such as:

(i) Government or private disability programs; or

(ii) Local funds raised for the purpose of providing financial support for a specified ESRD client.

(2) The following resources are exempt:

(a) A home, defined as real property owned by a client as a principal place of residence, together with the property surrounding and contiguous thereto, not to exceed five acres;

(b) Household furnishings; and

(c) An automobile.

AMENDATORY SECTION (Amending Order 3600, filed 7/28/93, effective 8/28/93)

WAC 388-540-060 (~~Procedures for ESRD~~) **KDP eligibility determination.** The department, kidney center and client shall comply with the following (~~procedures~~) rules to determine (~~ESRD~~) **KDP** eligibility:

~~(1) The department shall provide the kidney center with the necessary forms and instructions;~~

~~(2) The kidney center shall;~~

~~(a) Inform the client of the requirements for (ESRD) KDP eligibility as defined in this chapter;~~

~~((3) The kidney center shall)~~

~~(b) Provide the client with necessary department forms and instructions in a timely manner;~~

~~((4) The) (c) Review the KDP application and documentation;~~

~~(d) Determine client eligibility using department policies, rules, and instructions; and~~

~~(e) Forward the KDP application and documentation to the medical assistance administration (MAA). If necessary, the department may amend or terminate a client's certification period within thirty days of receipt~~

~~(2) A new client shall:~~

~~(a) Complete (and submit the ESRD) the KDP application and submit any necessary documentation for eligibility (and any necessary documentation) determination to the kidney center (in the manner and form the department prescribes;~~

~~(5) A new client shall); and~~

~~(b) Apply for Medicaid, obtain a written Medicaid eligibility determination and (send) submit a copy to the kidney center ((written documentation of Medicaid eligibility or denial;~~

~~(6) The kidney center shall review the ESRD application and documentation for completeness and accuracy according to instructions provided by the department;~~

~~(7) The kidney center shall forward to the medical assistance administration (MAA) the ESRD application and any documentation needed to approve or deny eligibility. The MAA shall review the ESRD application and documentation and notify the kidney center that the client has been certified, or request additional information as needed;~~

~~(8))~~

~~(3) A recertifying client shall:~~

~~(a) Apply for Medicaid forty-five days before the end of the KDP certification period; and~~

~~(i) Obtain a written Medicaid eligibility determination; and~~

~~(ii) Submit a copy to the kidney center; or~~

~~(b) Be exempt from the requirement in (3)(a) of this subsection when the client has applied for Medicaid in the prior five years and will continue to:~~

~~(i) Be denied Medicaid due to:~~

~~(A) Failure to meet Medicaid categorical requirements;~~

~~(B) Assets exceeding Medicaid resource standards; or~~

~~(C) Income exceeding the categorically needy income standards.~~

~~(ii) Not meet medically needy spenddown amount because the cost of medical care is:~~

~~(A) Less than the spenddown amount; or~~

~~(B) Covered by third-party insurance.~~

~~(4) The ((ESRD)) KDP application period ((shall be limited to)) is:~~

~~(a) One hundred and twenty days for a new client; and~~

~~(b) Forty-five days prior to the end of a certification period for a client requesting recertification.~~

~~(5) The kidney center may request an extension of application time limits from the department when extenuating circumstances ((prohibit)) prevent the client from completing the application or recertification process within the ((allowed)) specified time limits. ((The department, at its discretion, may grant and specify the limits of the extension;~~

~~(9)) (6) The ((ESRD)) KDP client shall be certified as KDP eligible for a period of one year from the first day of the month of application unless the client's ((resources or income increase or decrease));~~

~~(a) Need for medical coverage is less than one year; or~~

~~(b) Assets change substantially, in which case the client must complete a new application for ((ESRD)) KDP eligibility;~~

~~((10) ESRD) (7) KDP eligibility effective date is the first day of the month of ((ESRD)) KDP application if the person was eligible at any time during that month. The effective date of ((ESRD)) KDP eligibility shall be no earlier than four months before the month of ((ESRD)) KDP application provided the:~~

~~(a) Medical services received were covered; and~~

~~(b) Person would have been eligible had the person applied.~~

~~((11) A client currently eligible shall be recertified before the end of the respective eligibility periods.~~

~~(12) A client who seeks continued program services does not need to reapply for Medicaid unless the client has a substantial reduction in resources during the year.))~~

WSR 98-02-062

PROPOSED RULES

INSURANCE COMMISSIONER'S OFFICE

[Filed January 7, 1998, 9:45 a.m.]

Continuance of WSR 98-01-134.

Preproposal statement of inquiry was filed as WSR 96-24-108.

Title of Rule: Accelerated life insurance benefits.

Purpose: Continuation of adoption date to January 21, 1998.

Other Identifying Information: Insurance Commissioner Matter No. R 96-13.

Date of Intended Adoption: January 21, 1998.

January 7, 1998

Greg J. Scully

Chief Deputy Commissioner

WSR 98-02-063

PROPOSED RULES

INSURANCE COMMISSIONER'S OFFICE

[Filed January 7, 1998, 9:46 a.m.]

Continuance of WSR 98-01-120.

PROPOSED

Preproposal statement of inquiry was filed as WSR 97-13-072.

Title of Rule: Filing contract forms and rate schedules.

Purpose: Continuation of adoption date to January 21, 1998.

Other Identifying Information: Insurance Commissioner Matter No. R 97-2.

Date of Intended Adoption: January 21, 1998.

January 7, 1998

Greg J. Scully

Chief Deputy Commissioner

WSR 98-02-065

PROPOSED RULES

FOREST PRACTICES BOARD

[Filed January 7, 1998, 10:15 a.m.]

Continuance of WSR 97-15-042 and 97-20-107.

Preproposal statement of inquiry was filed as WSR 97-05-033.

Title of Rule: Revisions to stream typing rules.

Purpose: To modify forest practices rules that define Type 2 and 3 waters in WAC 222-16-030 and define requirements for the Forest Practices Board manual.

Statutory Authority for Adoption: Chapter 35.05 [34.05] RCW, RCW 76.09.040, [76.09.]050.

Statute Being Implemented: Chapter 76.09 RCW.

Summary: WAC 222-16-030 and 222-12-090.

Reasons Supporting Proposal: New data has shown that the physical characteristics of streams, as defined in the current forest practices rules, are no longer accurate. This proposed rule would update those physical characteristics based on current knowledge so that appropriate riparian protection is provided along streams.

Name of Agency Personnel Responsible for Drafting: Judith Holter, 1111 Washington Street S.E., Olympia, WA 98501-7012, (360) 902-1412; Implementation and Enforcement: John Edwards, 1111 Washington Street S.E., Olympia, WA 98501-7012, (360) 902-1730.

Name of Proponent: Forest Practices Board, governmental.

Rule is not necessitated by federal law, federal or state court decision.

Explanation of Rule, its Purpose, and Anticipated Effects: The proposed rules establish presumptions for determining fish use in the absence of field verification. Current knowledge about fish use of streams and habitat is needed in the forest practices rules so that appropriate riparian protection is provided along streams. Recent studies have resulted in upgrading a large number of Type 4 (nonfish bearing) streams to fish bearing (Type 2 or 3). The proposed rules are necessary to protect public resources, specifically fish, by ensuring that riparian rules are being applied to fish-bearing streams and that the water quality upstream of fish hatchery intakes is protected.

The proposal also adds fish use determination protocols to the Forest Practices Board manual.

Timber, fish and wildlife participants developed this rule and recommended it as a consensus proposal to the Forest Practices Board as a first step in developing a comprehensive strategy to deal with fish, water quality, and a functional

water typing system. TFW is currently developing a more comprehensive proposal that will also meet federal water quality requirements.

Because this proposed rule pertains to water quality, it will be coadopted by the Department of Ecology per RCW 76.09.040(1). The board and ecology will conduct a joint public review process that will include public hearings.

Proposal Changes the Following Existing Rules: WAC 222-12-090 adds a new section to the Forest Practices Board manual.

WAC 222-16-030 - provides protection of water quality above fish hatcheries; stream gradient percentages change from "less than 12%" to "16% or less"; stream channel widths change from "5 ft" to "2 ft or greater in western Washington" and "3 ft or greater in eastern Washington"; contributing basin sizes are added to the rule: 50 acres in western Washington and 175 acres in eastern Washington; and the department is given authority to waive the presumption of fish use based on three specific criteria.

A small business economic impact statement has been prepared under chapter 19.85 RCW.

The small business economic impact statement was published in Washington State Register 97-16 as WSR 97-15-042.

A copy of the statement may be obtained by writing to Forest Practices Board Recording Secretary, Department of Natural Resources, Forest Practices Division, P.O. Box 47012, Olympia, WA 90504-7012 [98504-7012], phone (360) 902-1413, or FAX (360) 902-1730.

Section 201, chapter 403, Laws of 1995, applies to this rule adoption.

Hearing Location: Natural Resources Building, 1111 Washington Street S.E., Room 172, Olympia, WA, on July 1, 1998, at 9 a.m.

Assistance for Persons with Disabilities: Contact the Forest Practices Board Secretary, (360) 902-1413, by June 15, 1998, TDD (360) 902-1431.

Submit Written Comments to: Judith Holter, Department of Natural Resources, Forest Practices Division, P.O. Box 47012, Olympia, WA 98504-7012, FAX (360) 902-1784, by July 2, 1998.

Date of Intended Adoption: July 8, 1998.

December 19, 1997

Jennifer M. Belcher

Commissioner of Public Lands

AMENDATORY SECTION (Amending WSR 97-24-091, filed 12/3/97, effective 1/3/98)

WAC 222-12-090 Forest practices board manual. When approved by the board the manual serves as an advisory technical supplement to these forest practices regulations. The department, in cooperation with the departments of fish and wildlife, agriculture, ecology, and such other agencies, affected Indian tribes, or interested parties as may have appropriate expertise, is directed to prepare, and submit to the board for approval, revisions to the forest practices board manual. The manual shall include:

(1) **Method for determination of adequate shade requirements on streams needed for use with WAC 222-30-040.**

(2) **The standard methods** for measuring channel width, stream gradient and flow which are used in the water typing criteria WAC 222-16-030.

(3) **A chart** for establishing recommended permanent culvert sizes and associated data.

(4) **Guidelines** for clearing slash and debris from Type 4 and 5 Waters.

(5) **Guidelines** for landing location and construction.

(6) **Guidelines** for determining acceptable stocking levels.

(7) **Guidelines** for calculating average widths of riparian management zones.

(8) **Guidelines** for wetland delineation.

(9) **Guidelines** for wetland replacement or substitution.

(10) A list of nonnative wetland plant species.

(11) The standard methodology, which shall specify the quantitative methods, indices of resource conditions, and definitions, for conducting watershed analysis under chapter 222-22 WAC. The department, in consultation with Timber/Fish/Wildlife's Cooperative Monitoring, Evaluation and Research Committee (CMER), may make minor modifications to the version of the standard methodology approved by the board. Substantial amendments to the standard methodology requires approval by the board.

(12) A list of special concerns related to aerial application of pesticides developed under WAC 222-16-070(3).

(13) **Guidelines for determining fish use for the purpose of typing waters under WAC 222-16-030.**

(14) **Survey protocol for marbled murrelets.** The Pacific seabird survey protocol in effect March 1, 1997, shall be used when surveying for marbled murrelets in a stand. Surveys conducted before the effective date of this rule are valid if they were conducted in substantial compliance with generally accepted survey protocols in effect at the beginning of the season in which they were conducted.

(15) The department shall, in consultation with the department of fish and wildlife, develop **platform protocols** for use by applicants in estimating the number of platforms, and by the department in reviewing and classifying forest practices under WAC 222-16-050. These protocols shall include:

(a) A sampling method to determine platforms per acre in the field;

(b) A method to predict the number of platforms per acre based on information measurable from typical forest inventories. The method shall be derived from regression models or other accepted statistical methodology, and incorporate the best available data; and

(c) Other methods determined to be reliable by the department, in consultation with the department of fish and wildlife.

AMENDATORY SECTION (Amending WSR 97-24-091, filed 12/3/97, effective 1/3/98)

WAC 222-16-030 Water typing system. *The department in cooperation with the departments of fish and wildlife, and ecology, and in consultation with affected Indian tribes shall classify streams, lakes and ponds and prepare stream classification maps showing the location of Type 1, 2, 3 and 4 Waters within the various forested areas of the state. Such maps shall be available for public

inspection at region offices of the department. The waters will be classified using the following criteria. If a dispute arises concerning a water type the department shall make available informal conferences, which shall include the departments of fish and wildlife, and ecology, and affected Indian tribes and those contesting the adopted water types. These conferences shall be established under procedures established in WAC 222-46-020.

***(1) "Type 1 Water"** means all waters, within their ordinary high-water mark, as inventoried as "shorelines of the state" under chapter 90.58 RCW and the rules promulgated pursuant to chapter 90.58 RCW, but not including those waters' associated wetlands as defined in chapter 90.58 RCW.

***(2) "Type 2 Water"** shall mean segments of natural waters which are not classified as Type 1 Water and have a high fish, wildlife, or human use. These are segments of natural waters and periodically inundated areas of their associated wetlands, which:

(a) Are diverted for domestic use by more than 100 residential or camping units or by a public accommodation facility licensed to serve more than 100 persons, where such diversion is determined by the department to be a valid appropriation of water and the only practical water source for such users. Such waters shall be considered to be Type 2 Water upstream from the point of such diversion for 1,500 feet or until the drainage area is reduced by 50 percent, whichever is less;

(b) Are diverted for use by federal, state, tribal or private fish hatcheries. Such waters shall be considered Type 2 Water upstream from the point of diversion for 1,500 feet and tributaries if highly significant for protection of downstream water quality;

(c) Are within a federal, state, local, or private campground having more than 30 camping units: *Provided*, That the water shall not be considered to enter a campground until it reaches the boundary of the park lands available for public use and comes within 100 feet of a camping unit, trail or other park improvement;

~~((+))~~ (d) Are used by substantial numbers of anadromous or resident game fish for spawning, rearing or migration. Waters having the following characteristics are presumed to have highly significant fish populations:

(i) Stream segments having a defined channel 20 feet or greater in width between the ordinary high-water marks and having a gradient of less than 4 percent.

(ii) Lakes, ponds, or impoundments having a surface area of 1 acre or greater at seasonal low water; or

~~((+))~~ (e) Are used by salmonids for off-channel habitat. These areas are critical to the maintenance of optimum survival of juvenile salmonids. This habitat shall be identified based on the following criteria:

(i) The site must be connected to a stream bearing salmonids and accessible during some period of the year; and

(ii) The off-channel water must be accessible to juvenile salmonids through a drainage with less than a 5% gradient.

***(3) "Type 3 Water"** shall mean segments of natural waters which are not classified as Type 1 or 2 Water and have a moderate to slight fish, wildlife, and human use. These are segments of natural waters and periodically inundated areas of their associated wetlands which:

(a) Are diverted for domestic use by more than 10 residential or camping units or by a public accommodation facility licensed to serve more than 10 persons, where such diversion is determined by the department to be a valid appropriation of water and the only practical water source for such users. Such waters shall be considered to be Type 3 Water upstream from the point of such diversion for 1,500 feet or until the drainage area is reduced by 50 percent, whichever is less;

(b) Are used by significant numbers of anadromous or resident game fish for spawning, rearing or migration. Guidelines for determining fish use are described in the Forest Practices Board Manual. If fish use has not been determined:

(i) Waters having the following characteristics are presumed to have significant anadromous or resident game fish use:

~~((#))~~ (A) Stream segments having a defined channel of ~~((5))~~ 2 feet or greater in width between the ordinary high-water marks in Western Washington; or 3 feet or greater in width between the ordinary high-water marks in Eastern Washington; and having a gradient ~~((of less than 12))~~ 16 percent ~~((and not upstream of a falls of more than 10 vertical feet))~~ or less;

(B) Stream segments having a defined channel of 2 feet or greater in width between the ordinary high-water marks in Western Washington; or 3 feet or greater in width between the ordinary high-water marks in Eastern Washington; and having a gradient greater than 16 percent and less than or equal to 20 percent; and having greater than 50 acres in contributing basin size in Western Washington; or greater than 175 acres in contributing basin size in Eastern Washington based on hydrographic boundaries;

(ii) The department shall waive or modify the characteristics in (i) above where:

(A) Waters have confirmed, long term, naturally occurring water quality parameters incapable of supporting anadromous or resident game fish;

(B) Snowmelt streams have short flow cycles that do not support successful life history phases of anadromous or resident game fish. These streams typically have no flow in the winter months and discontinue flow by June 1; or

(C) Sufficient information about a geographic region is available to support a departure from the characteristics in (i), as determined in consultation with the department of fish and wildlife, department of ecology, affected tribes and interested parties.

~~((#))~~ (iii) Ponds or impoundments having a surface area of less than 1 acre at seasonal low water and having an outlet to an anadromous fish stream.

~~((e))~~ Are used by significant numbers of resident game fish. Waters with the following characteristics are presumed to have significant resident game fish use:

~~((i))~~ Stream segments having a defined channel of 10 feet or greater in width between the ordinary high-water marks; and a summer low flow greater than 0.3 cubic feet per second; and a gradient of less than 12 percent.

~~((#))~~ (iv) For resident game fish ponds or impoundments having a surface area greater than 0.5 acre at seasonal low water; or

~~((d))~~ (c) Are highly significant for protection of downstream water quality. Tributaries which contribute

greater than 20 percent of the flow to a Type 1 or 2 Water are presumed to be significant for 1,500 feet from their confluence with the Type 1 or 2 Water or until their drainage area is less than 50 percent of their drainage area at the point of confluence, whichever is less.

* (4) "Type 4 Water" classification shall be applied to segments of natural waters which are not classified as Type 1, 2 or 3, and for the purpose of protecting water quality downstream are classified as Type 4 Water upstream until the channel width becomes less than 2 feet in width between the ordinary high-water marks. Their significance lies in their influence on water quality downstream in Type 1, 2, and 3 Waters. These may be perennial or intermittent.

* (5) "Type 5 Water" classification shall be applied to all natural waters not classified as Type 1, 2, 3 or 4; including streams with or without well-defined channels, areas of perennial or intermittent seepage, ponds, natural sinks and drainageways having short periods of spring or storm runoff.

* (6) For purposes of this section:

(a) "Residential unit" means a home, apartment, residential condominium unit or mobile home, serving as the principal place of residence.

(b) "Camping unit" means an area intended and used for:

(i) Overnight camping or picnicking by the public containing at least a fireplace, picnic table and access to water and sanitary facilities; or

(ii) A permanent home or condominium unit or mobile home not qualifying as a "residential unit" because of part time occupancy.

(c) "Resident game fish" means game fish as described in the Washington game code that spend their life cycle in fresh water. Steelhead, searun cutthroat and Dolly Varden trout are anadromous game fish and should not be confused with resident game fish.

(d) "Public accommodation facility" means a business establishment open to and licensed to serve the public, such as a restaurant, tavern, motel or hotel.

(e) "Natural waters" only excludes water conveyance systems which are artificially constructed and actively maintained for irrigation.

(f) "Seasonal low flow" and "seasonal low water" mean the conditions of the 7-day, 2-year low water situation, as measured or estimated by accepted hydrologic techniques recognized by the department.

(g) "Channel width and gradient" means a measurement over a representative section of at least 500 linear feet with at least 10 evenly spaced measurement points along the normal stream channel but excluding unusually wide areas of negligible gradient such as marshy or swampy areas, beaver ponds and impoundments. Channel gradient may be determined utilizing stream profiles plotted from United States geological survey topographic maps.

(h) "Intermittent streams" means those segments of streams that normally go dry.

WSR 98-02-069
PROPOSED RULES
LIQUOR CONTROL BOARD
 [Filed January 7, 1998, 10:37 a.m.]

Original Notice.

Preproposal statement of inquiry was filed as WSR 97-13-071.

Title of Rule: Sampling of spirits.

Purpose: The rule sets forth the conditions whereby a distiller or its representative can provide samples of spirits to retail licensees.

Other Identifying Information: The statute was amended in 1997 at the request of the spirituous liquor industry to allow reasonable samples to be used as a promotional tool.

Statutory Authority for Adoption: RCW 66.08.030.

Statute Being Implemented: RCW 68.28.040.

Summary: The rule would allow distillers to distribute samples of spirits to retail licensees who are licensed to served spirituous liquor.

Name of Agency Personnel Responsible for Drafting: Greg Nordlund, P.O. Box 43080, Olympia, WA 98504-3080, (360) 586-0875; **Implementation:** Dave Goyette, P.O. Box 43098, Olympia, WA 98504-3098, (360) 753-2724; and **Enforcement:** Gary Gilbert, P.O. Box 43094, Olympia, WA 98504-3094, (360) 586-3052.

Name of Proponent: Washington State Liquor Control Board, governmental.

Rule is not necessitated by federal law, federal or state court decision.

Explanation of Rule, its Purpose, and Anticipated Effects: The rule would allow, for the first time, distillers of spirits to provide samples to retail licensees who serve spirits. Currently there are provisions for sampling of beer and wine to licensees by manufacturers and distributors.

Proposal does not change existing rules.

No small business economic impact statement has been prepared under chapter 19.85 RCW. No impact to business.

Section 201, chapter 403, Laws of 1995, does not apply to this rule adoption. The Washington State Liquor Control Board is not a listed agency in section 201.

Hearing Location: Washington State Liquor Control Board, Fifth Floor Board Room, 1025 East Union Avenue, Olympia, WA 98504, on February 18, 1998, at 9:30 a.m.

Assistance for Persons with Disabilities: Contact Greg Nordlund by February 17, 1998, TDD (360) 753-1452, or (360) 586-0875.

Submit Written Comments to: Greg Nordlund, Director, Regulatory Services, Rules Coordinator, P.O. Box 43080, Olympia, WA 98504-3080, FAX (360) 586-0875, by February 17, 1998.

Date of Intended Adoption: March 4, 1998.

January 7, 1998
 Charles F. Brydon
 Board Member

NEW SECTION

WAC 314-64-08001 Procedures for providing spirit samples to authorized retail licensees for the purpose of negotiating a sale: A distiller or their agent may, for the purpose of product promotion, provide without charge single

samples to retail licensees authorized to sell spirits and their employees.

1. Samples are limited to 1.7 ounces (50 ml) per person and no more than one sample of each product may be provided to any one licensed business.

2. All spirit samples must be purchased at retail from the board from existing stocks or by special order.

3. Only products not previously purchased or existing products with a change in alcohol proof or formula may be sampled.

4. Both the retailer and distiller must retain records of sampling for a period of two years. The records shall include the brand and type of sample and the date of sampling.

WSR 98-02-072
PROPOSED RULES
PUGET SOUND AIR
POLLUTION CONTROL AGENCY
 [Filed January 7, 1998, 10:45 a.m.]

Original Notice.

Exempt from preproposal statement of inquiry under RCW 70.94.141(1).

Title of Rule: Amend Sections 4.01, 4.05, and 4.06 of Regulation III.

Purpose: To clarify the asbestos control standards.

Other Identifying Information: Section 4.01: Definitions; Section 4.05: Procedures for Asbestos Projects; Section 4.06: Alternate Means of Compliance.

Statutory Authority for Adoption: Chapter 70.94 RCW.

Statute Being Implemented: RCW 70.94.141.

Summary: This proposal makes it clear that training requirements do not apply to asbestos projects performed by the resident owner of a dwelling, clarifies the definition of "owner-occupied, single-family residence," and clarifies the requirements for saturating asbestos-containing materials.

Reasons Supporting Proposal: The asbestos control standards need to be clarified.

Name of Agency Personnel Responsible for Drafting: Jim Nolan, 110 Union Street, #500, Seattle, WA 98101, (206) 689-4053; **Implementation:** Dave Kircher, 110 Union Street, #500, Seattle, WA 98101, (206) 689-4050; and **Enforcement:** Neal Shulman, 110 Union Street, #500, Seattle, WA 98101, (206) 689-4078.

Name of Proponent: Puget Sound Air Pollution Control Agency, governmental.

Agency Comments or Recommendations, if any, as to Statutory Language, Implementation, Enforcement, and Fiscal Matters: The state implementation plan will be updated to reflect these amendments.

Rule is not necessitated by federal law, federal or state court decision.

Explanation of Rule, its Purpose, and Anticipated Effects: Changes are to clarify the agency's intent. Any effects to the regulated community would be due to the fact that the current rules are not clear to some of the regulated individuals.

Proposal Changes the Following Existing Rules: This proposal makes it clear that training requirements do not apply to asbestos projects performed by the resident owner

of a dwelling, clarifies the definition of "owner-occupied, single-family residence," and clarifies the requirements for saturating asbestos-containing materials.

No small business economic impact statement has been prepared under chapter 19.85 RCW. This agency is not subject to the small business economic impact provision of the Administrative Procedure Act.

RCW 34.05.328 does not apply to this rule adoption. Pursuant to RCW 70.94.141(1), RCW 34.05.328 does not apply to this rule adoption.

Hearing Location: Puget Sound Air Pollution Control Agency's Offices, 110 Union Street, #500, Seattle, WA 98101, on February 12, 1998, at 9:00 a.m.

Assistance for Persons with Disabilities: Contact Agency Receptionist, (206) 689-4010, by February 5, 1998, TDD (800) 833-6388, or (800) 833-6385 (Braille).

Submit Written Comments to: Dennis McLerran, Puget Sound Air Pollution Control Agency, 110 Union Street, #500, Seattle, WA 98101, FAX (206) 343-7522, by February 2, 1998.

Date of Intended Adoption: February 12, 1998.

January 6, 1998

James Nolan

Director - Compliance

AMENDATORY SECTION

REGULATION III SECTION 4.01 DEFINITIONS

(a) **AHERA BUILDING INSPECTOR** means a person who has successfully completed the training requirements for a building inspector established by EPA Asbestos Model Accreditation Plan; Interim Final Rule (40 CFR Part 763, Appendix C to Subpart E, I.B.3) and whose certification is current.

(b) **AHERA PROJECT DESIGNER** means a person who has successfully completed the training requirements for an abatement project designer established by EPA regulations (40 CFR 763.90(g)) and whose certification is current.

(c) **ASBESTOS** means the asbestiform varieties of actinolite, amosite (cummingtonite-grunerite), tremolite, chrysotile (serpentinite), crocidolite (riebeckite), or anthophyllite.

(d) **ASBESTOS-CONTAINING MATERIAL** means any material containing more than one percent (1%) asbestos as determined using the method specified in EPA regulations Appendix A, Subpart F, 40 CFR Part 763, Section I, Polarized Light Microscopy.

(e) **ASBESTOS-CONTAINING WASTE MATERIAL** means any waste that contains or is contaminated with asbestos-containing material. Asbestos-containing waste material includes asbestos waste from control equipment, materials used to enclose the work area during an asbestos project, asbestos-containing material collected for disposal, asbestos-contaminated waste, debris, containers, bags, protective clothing, or HEPA filters. Asbestos-containing waste material does not include samples of asbestos-containing material taken for testing or enforcement purposes.

(f) **ASBESTOS PROJECT** means any activity involving the abatement, renovation, demolition, removal, salvage, clean up, or disposal of asbestos-containing material, or any other action that disturbs or is likely to disturb any asbestos-containing material. It includes the removal and disposal of

stored asbestos-containing material or asbestos-containing waste material. It does not include the application of duct tape, rewettable glass cloth, canvas, cement, paint, or other non-asbestos materials to seal or fill exposed areas where asbestos fibers may be released.

(g) **ASBESTOS SURVEY** means a written report describing an inspection using the procedures contained in EPA regulations (40 CFR 763.86), or an alternate method that has received prior written approval from the Control Officer, to determine whether materials or structures to be worked on, renovated, removed, or demolished (including materials on the outside of structures) contain asbestos.

(h) **COMPETENT PERSON** means a person who is capable of identifying asbestos hazards and selecting the appropriate asbestos control strategy, has the authority to take prompt corrective measures to eliminate them, and has been trained and is currently certified in accordance with the standards established by the Washington State Department of Labor & Industries, the federal Occupational Safety & Health Administration, or the United States Environmental Protection Agency (whichever agency has jurisdiction).

(i) **COMPONENT** means any equipment, pipe, structural member, or other item covered or coated with, or manufactured from, asbestos-containing material.

(j) **DEMOLITION** means wrecking, razing, leveling, dismantling, or burning of a structure, making the structure permanently uninhabitable or unusable.

(k) **FRIABLE ASBESTOS-CONTAINING MATERIAL** means asbestos-containing material that, when dry, can be crumbled, disintegrated, or reduced to powder by hand pressure or by the forces expected to act upon the material in the course of demolition, renovation, or disposal. Such materials include, but are not limited to, thermal system insulation, surfacing material, and cement asbestos products.

(l) **LEAK-TIGHT CONTAINER** means a dust-tight and liquid-tight container, at least 6-mil thick, that encloses asbestos-containing waste material and prevents solids or liquids from escaping or spilling out. Such containers may include sealed plastic bags, metal or fiber drums, and sealed polyethylene plastic.

(m) **NONFRIABLE ASBESTOS-CONTAINING MATERIAL** means asbestos-containing material that, when dry, cannot be crumbled, disintegrated, or reduced to powder by hand pressure or by the forces expected to act on the material in the course of demolition, renovation, or disposal.

(n) **OWNER-OCCUPIED, SINGLE-FAMILY RESIDENCE** means any non-multiple unit building containing space for uses such as living, sleeping, preparation of food, and eating that is currently used (~~or was once used, occupied, or designed to be occupied~~) by one family who owns the property as their domicile. This term includes houses, mobile homes, trailers, detached garages, houseboats, and houses with a "mother-in-law apartment" or "guest room". This term does not include rental property or multiple-family units, nor does this term include any mixed-use building, structure, or installation that contains a residential unit.

(o) **PERSON** means any individual, firm, public or private corporation, association, partnership, political subdivision, municipality, or government agency.

(p) **RENOVATION** means altering a facility or a component in any way, except demolition.

(q) **SURFACING MATERIAL** means material that is sprayed-on, troweled-on, or otherwise applied to surfaces including, but not limited to, acoustical plaster on ceilings, paints, fireproofing materials on structural members, or other materials on surfaces for decorative purposes.

(r) **SUSPECT ASBESTOS-CONTAINING MATERIAL** means material that has historically contained asbestos including, but not limited to, surfacing material, thermal system insulation, roofing material, fire barriers, gaskets, flooring material, and siding.

(s) **THERMAL SYSTEM INSULATION** means material applied to pipes, fittings, boilers, tanks, ducts, or other structural components to prevent heat loss or gain.

AMENDATORY SECTION

REGULATION III SECTION 4.05 PROCEDURES FOR ASBESTOS PROJECTS

(a) Training Requirements

It shall be unlawful for any person to cause or allow any work on an asbestos project unless it is performed by persons trained and certified in accordance with the standards established by the Washington State Department of Labor & Industries, the federal Occupational Safety & Health Administration, or the United States Environmental Protection Agency (whichever agency has jurisdiction) and whose certification is current.

This certification requirement does not apply to asbestos projects conducted as part of a renovation in an owner-occupied, single-family residence performed by the resident owner of the dwelling.

(b) Asbestos Removal Work Practices

Except as provided in Section 4.06 of this Regulation, it shall be unlawful for any person to cause or allow the removal of asbestos-containing material unless all the following requirements are met:

(1) The asbestos project shall be conducted in a controlled area, clearly marked by barriers and asbestos warning signs. Access to the controlled area shall be restricted to authorized personnel only.

(2) If a negative pressure enclosure is employed it shall be equipped with transparent viewing ports, if feasible, and shall be maintained in good working order.

(3) Absorbent, asbestos-containing materials, such as surfacing material and thermal system insulation, shall be saturated with a liquid wetting agent prior to removal. ~~((Wetting shall continue until all the material is permeated with the wetting agent.))~~ Any unsaturated, absorbent, asbestos-containing materials ~~((surfaces))~~ exposed during removal shall be ~~((wetted))~~ immediately saturated with a liquid wetting agent.

(4) Nonabsorbent, asbestos-containing materials, such as cement asbestos board or vinyl asbestos tile, shall be continuously coated with a liquid wetting agent on any exposed surface prior to and during removal. ~~((They shall be wetted after removal, as necessary, to assure they are wet when sealed in leak-tight containers.))~~ Any dry surfaces of nonabsorbent, asbestos-containing materials exposed during removal shall be ~~((wetted))~~ immediately coated with a liquid wetting agent.

(5) Metal components (such as valves, fire doors, and reactor vessels) that have internal asbestos-containing

material ~~((do not require wetting of the asbestos-containing material))~~ are exempt from the requirements of Sections 4.05 (b)(3) and 4.05 (b)(4) if all access to the asbestos-containing material is welded shut or the component has mechanical seals, which cannot be removed by hand, that separate the asbestos-containing material from the environment.

(6) Except for surfacing materials being removed inside a negative pressure enclosure, asbestos-containing materials that are being removed, have been removed, or may have fallen off components during an asbestos project shall be carefully lowered to the ground or a lower floor, not dropped, thrown, slid, or otherwise damaged.

(7) All asbestos-containing waste material ~~((shall be kept wet and))~~ shall be sealed in leak-tight containers ~~((free of all asbestos residue) while still wet,))~~ as soon as possible after removal but no later than the end of each work shift.

(8) All absorbent, asbestos-containing waste material shall be kept saturated with a liquid wetting agent until sealed in leak-tight containers while saturated with a liquid wetting agent. All nonabsorbent, asbestos-containing waste material shall be kept coated with a liquid wetting agent until sealed in leak-tight containers while coated with a liquid wetting agent.

~~((8))~~ (9) The exterior of each leak-tight container shall be free of all asbestos residue and shall be permanently labeled with an asbestos warning sign as specified by the Washington State Department of Labor and Industries or the federal Occupational Safety and Health Administration.

~~((9))~~ (10) Immediately after sealing, each leak-tight container shall be permanently marked with the date the material was collected for disposal, the name of the waste generator, and the address at which the waste was generated. This marking must be readable without opening the container.

~~((10))~~ (11) Leak-tight containers shall not be dropped, thrown, slid, or otherwise damaged.

~~((11))~~ (12) The asbestos-containing waste material shall be stored in a controlled area until transported to an approved waste disposal site.

(c) Method of Removal for Nonfriable Asbestos-Containing Roofing Material

The following asbestos removal method shall be employed for asbestos-containing roofing material that has been determined to be nonfriable by a Competent Person or an AHERA Project Designer:

(1) The nonfriable asbestos-containing roofing material shall be removed using methods such as spud bar and knife. Removal methods such as sawing or grinding shall not be employed;

(2) Dust control methods shall be used as necessary to assure no fugitive dust is generated from the removal of nonfriable asbestos-containing roofing material;

(3) Nonfriable asbestos-containing roofing material shall be carefully lowered to the ground to prevent fugitive dust;

(4) After being lowered to the ground, the nonfriable asbestos-containing roofing material shall be immediately transferred to a disposal container; and

(5) Each disposal container shall have a sign identifying the material as nonfriable asbestos-containing roofing material.

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AMENDATORY SECTION**REGULATION III SECTION 4.06 ALTERNATE MEANS OF COMPLIANCE****(a) Friable Asbestos-Containing Material Removal Alternative**

An alternate asbestos removal method may be employed for friable asbestos-containing material if an AHERA Project Designer (who is also qualified as a Certified Hazardous Materials Manager, Certified Industrial Hygienist, Registered Architect, or Professional Engineer) has evaluated the work area, the type of asbestos-containing material, the projected work practices, and the engineering controls, and demonstrates to the Control Officer that the planned control method will be equally as effective as the work practices contained in Section 4.05(b) of this Regulation in controlling asbestos emissions. The property owner or the owner's agent shall document through air monitoring at the exhaust from the controlled area that the asbestos fiber concentrations outside the controlled area do not exceed 0.01 fibers/cc, 8 hour average.

The Control Officer may require conditions in the Order of Approval that are reasonably necessary to assure the planned control method is as effective as that required by Section 4.05(b) ((wetting)), and may revoke the Order of Approval for cause.

(b) Nonfriable Asbestos-Containing Material Removal Alternative

An alternate asbestos removal method may be employed for nonfriable asbestos-containing material if a Competent Person or AHERA Project Designer has evaluated the work area, the type of asbestos-containing material, the projected work practices, and the engineering controls, and demonstrates to the Control Officer that the planned control method will be equally as effective as the work practices contained in Section 4.05(b) of this Regulation in controlling asbestos emissions.

The Control Officer may require conditions in the Order of Approval that are reasonably necessary to assure the planned control method is as effective as that required by Section 4.05(b) ((wetting)), and may revoke the Order of Approval for cause.

(c) Leaving Nonfriable Asbestos-Containing Material in Place During Demolition

Nonfriable asbestos-containing material may be left in place during a demolition, if an AHERA Project Designer (who is also qualified as a Certified Hazardous Materials Manager, Certified Industrial Hygienist, Registered Architect, or Professional Engineer) has evaluated the work area, the type of asbestos-containing materials involved, the projected work practices, and the engineering controls, and demonstrates to the Control Officer that the asbestos-containing material will remain nonfriable during all demolition activities and the subsequent disposal of the debris.

The Control Officer may require conditions in the Order of Approval that are reasonably necessary to assure the asbestos-containing material remains nonfriable, and may revoke the Order of Approval for cause.

WSR 98-02-073

PROPOSED RULES

DEPARTMENT OF AGRICULTURE

[Filed January 7, 1998, 10:56 a.m.]

Original Notice.

Preproposal statement of inquiry was filed as WSR 97-19-100.

Title of Rule: Chapter 16-532 WAC, Hop Board.

Purpose: Amend the assessment and collection procedures of the board of the Washington Hop Commission.

Statutory Authority for Adoption: RCW 15.65.050.

Statute Being Implemented: Chapter 15.65 RCW.

Summary: The rule will eliminate the authority of the board of the Washington Hop Commission to grant credit against assessments or refund payments to growers for individual marketing efforts.

Reasons Supporting Proposal: The credit and refund program for individual marketing efforts is no longer required or necessary to carry out the objectives of the chapter.

Name of Agency Personnel Responsible for Drafting: Walter Swenson, Washington State Department of Agriculture, NRB, 1111 Washington Street, Olympia, WA, (360) 902-1928; Implementation and Enforcement: Ann George, Administrator, 504 North Naches Avenue, #11, Yakima, WA, (509) 453-4749.

Name of Proponent: Washington Hop Commission, governmental.

Agency Comments or Recommendations, if any, as to Statutory Language, Implementation, Enforcement, and Fiscal Matters: I/A/W RCW 15.65.050, the hop growers petitioned the director of agriculture to amend the assessment and collection procedures of the Hop Board.

Rule is not necessitated by federal law, federal or state court decision.

Explanation of Rule, its Purpose, and Anticipated Effects: The current rule provides a procedure for the Hop Commission board to grant credit against assessments or refund payment to growers for individual marketing efforts. The credit or refund is in the amount of sixty-six and two thirds percent of documented expenditures for eligible promotional expenses - not to exceed that portion of the producer's annual assessment from his or her own production designated for marketing or promotion. The credit and refund program for individual marketing efforts is no longer required or necessary to carry out the objectives of the chapter. The new rule will eliminate the credit/refund procedures.

Proposal Changes the Following Existing Rules: The new rule will amend the assessment and collection procedures of the Hop Board by eliminating the procedure for granting credit against assessments or refund payments to hop growers for individual marketing efforts.

No small business economic impact statement has been prepared under chapter 19.85 RCW. The rule will only affect hop growers in Washington state and will only become effective with the approval of a majority of hop growers voting in a referendum. There will be no disproportionate cost to small businesses because producers of hops in Washington state are considered small businesses (less than fifty full-time, year-round employees). The rule will not

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increase cost in equipment, supplies, labor or administrative expenses.

Section 201, chapter 403, Laws of 1995, does not apply to this rule adoption. The Washington State Department of Agriculture is not a listed agency in section 201.

Hearing Location: Branding Iron Restaurant, 61311 Highway 97, Toppenish, WA, on February 17, 1998, at 9:00 a.m.

Assistance for Persons with Disabilities: Contact Cathy Jensen by February 13, 1998, TDD (360) 902-1996, or (360) 902-1976.

Submit Written Comments to: Walter Swenson, Agricultural Programs Administrator, Washington Department of Agriculture, P.O. Box 42560, Olympia, WA 98504-2560, FAX (360) 902-2092, by February 17, 1998.

Date of Intended Adoption: April 30, 1998.

January 7, 1998

William E. Brookreson
Assistant Director

AMENDATORY SECTION (Amending WSR 97-17-096, filed 8/20/97, effective 9/20/97)

WAC 16-532-010 Definitions. For the purpose of this marketing order:

- (1) "Director" means the director of agriculture of the state of Washington or his duly appointed representative.
- (2) "Department" means the department of agriculture of the state of Washington.
- (3) "Act" means the Washington State Agricultural Enabling Act of 1961 or chapter 15.65 RCW.
- (4) "Person" means any person, firm, association or corporation.
- (5) "Affected producer" or "producer" means any person who produces hops in commercial quantities in the state of Washington.
- (6) "Commercial quantity" means any hops produced for market by a producer in any calendar year.
- (7) "Handler" means any person who acts as principal or agent or otherwise in processing, selling, marketing, or distributing hops not produced by him.
- (8) "Hop commodity board" hereinafter referred to as "board" means the commodity board formed under the provisions of WAC 16-532-020.
- (9) "Hops" means and includes all kinds and varieties of "humulus lupulus" grown, picked and dried in the state of Washington, whether loose, packaged or baled and all oils, extracts and/or lupulin derived therefrom.
- (10) "Processed" means and includes all hops which are converted into pellets, extracts, oils, lupulin, and/or other forms, including hops which are frozen in undried form, but excluding whole, dried hop cones, whether loose or baled.
- (11) "Marketing season" means the twelve month period beginning with January 1 of any year and ending December 31, both dates being inclusive.
- (12) "Producer-handler" means any person who acts both as a producer and as a handler with respect to hops. A producer-handler shall be deemed to be a producer with respect to the hops which he produces and a handler with respect to the hops which he handles, including those produced by himself.
- (13) "Affected area" means the state of Washington.

(14) "Sell" includes offer for sale, expose for sale, have in possession for sale, exchange, barter or trade.

(15) "Affected unit" means two hundred pounds net of hops, or the amount of lupulin, extract or oil produced from two hundred pounds net of hops.

(16) "Promotional hosting" as used in these rules means the hosting of individuals and groups of individuals at meetings, meals, and gatherings for the purpose of cultivating trade relations and promoting sales of Washington grown hops.

(17) "Hosting" may include providing meals, refreshments, lodging, transportation, gifts of nominal value, reasonable and customary entertainment, and normal incidental expenses at meetings or gatherings.

~~((18) "Affiliate" as used in these rules, means a corporation, limited liability company, partnership, or other entity in common ownership with a producer or producer-handler.))~~

REPEALER

The following sections of the Washington Administrative Code are repealed:

- WAC 16-532-0402 Credit for market promotion activities.
- WAC 16-532-0404 General requirements for credit.
- WAC 16-532-0406 Eligible activities.
- WAC 16-532-0408 No duplication of credit.
- WAC 16-532-0410 Filing of claims.
- WAC 16-532-0412 Time for filing and determinations.
- WAC 16-532-0414 Appeals.

WSR 98-02-074

PROPOSED RULES

DEPARTMENT OF CORRECTIONS

[Filed January 7, 1998, 11:08 a.m.]

Original Notice.

Exempt from preproposal statement of inquiry under RCW 34.05.310(4).

Title of Rule: Occupational exposure in jail settings.

Purpose: To establish procedures necessary for assuring effective communication required between health officials and correctional and jail administrators in the event of substantial exposure to the bodily fluids of an offender or detainee in the course of official duties.

Statutory Authority for Adoption: Section 6, chapter 345, Laws of 1997.

Statute Being Implemented: Section 6, chapter 345, Laws of 1997.

Summary: This rule directs local jail administrators and health officials in carrying out the provisions of chapter 345, Laws of 1997.

Reasons Supporting Proposal: This agency is charged with the responsibility of implementing chapter 345, Laws of 1997.

Name of Agency Personnel Responsible for Drafting and Implementation: Gary Banning, P.O. Box 41114, Olympia, WA 98504-1114, (360) 753-5770; and Enforce-

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ment: Burl Hook, P.O. Box 41103, Olympia, WA 98504-1103, (360) 753-4845.

Name of Proponent: Washington State Department of Corrections, Office of Administrative Services, Human Resources, governmental.

Rule is not necessitated by federal law, federal or state court decision.

Explanation of Rule, its Purpose, and Anticipated Effects: The rule directs local jail administrators and health officials in carrying out the provisions of chapter 345, Laws of 1997. The rule will require the establishment of local interagency agreements. Local jails will be required to submit changes in communicable disease policies and procedures to local health departments for review and comment. The rules are also for the purpose of establishing procedures necessary to assure effective communications required between health officials and correctional and jail administrators in the event a correctional or jail staff member is substantially exposed to the bodily fluids of an offender in the course of official duties. The rules also require certain reports to be submitted to the Department of Health.

Proposal does not change existing rules.

No small business economic impact statement has been prepared under chapter 19.85 RCW. This rule is exempt from this requirement under RCW 19.85.025(2) because it qualifies under RCW 34.05.310 (4)(b).

RCW 34.05.328 does not apply to this rule adoption. Section 201, chapter 403, Laws of 1995 does not apply to the adoption of this rule. The rule does not subject a person to penalty or sanction, does not establish, alter, or revoke a qualification or standard for licensure, and does not make significant amendment to a policy or regulatory program. The rule establishes the process for local health officials and local jail administrators to implement the requirements of chapter 345, Laws of 1997.

Hearing Location: Department of Corrections, Capital Center Building, 410 West 5th, 9th Floor Training Room, Olympia, WA, on February 12, 1998, at 1:30 p.m.

Assistance for Persons with Disabilities: Contact Marilyn Varpness by January 22, 1998, (360) 753-5770.

Submit Written Comments to: Gary Banning, FAX (360) 664-2009, by January 27, 1998.

Date of Intended Adoption: After June 27, 1998.

January 5, 1998
Joseph D. Lehman
Secretary

**Chapter 137-100 WAC
OCCUPATIONAL EXPOSURE TO HUMAN IMMUNODEFICIENCY VIRUS (HIV)**

NEW SECTION [AMENDATORY SECTION (Amending WSR 97-24-052, filed 11/26/97, effective 10/24/97)]

WAC 137-100-001 Purpose. The purpose of this chapter shall be to insure coordination of the provisions of SHB 1605, RCW 70.24.105, 70.24.340, 70.24.370 and 72.09 by the department of corrections and the department of health.

Reviser's note: RCW 34.05.395 requires the use of underlining and deletion marks to indicate amendments to existing rules. The rule published

above varies from its predecessor in certain respects not indicated by the use of these markings.

Reviser's note: The bracketed material preceding the section above was supplied by the code reviser's office.

NEW SECTION [AMENDATORY SECTION (Amending WSR 97-24-052, filed 11/26/97, effective 10/24/97)]

WAC 137-100-010 Definitions. The following definitions shall apply in the interpretation and enforcement of Chapter 137-100 WAC:

(1) Correctional staff member means a department of corrections employee, an individual providing services under contract to the department, and volunteers.

(2) Department means the department of corrections.

Reviser's note: RCW 34.05.395 requires the use of underlining and deletion marks to indicate amendments to existing rules. The rule published above varies from its predecessor in certain respects not indicated by the use of these markings.

Reviser's note: The bracketed material preceding the section above was supplied by the code reviser's office.

NEW SECTION [AMENDATORY SECTION (Amending WSR 97-24-052, filed 11/26/97, effective 10/24/97)]

WAC 137-100-020 Medical records available. The department will make available an offenders sexually transmitted disease status to any correctional staff member who has experienced a substantial exposure by that offender. Should such records be nondiscloseable, the department shall counsel the correctional staff member how to receive that information. This process shall be facilitated by the health care manager or infection control coordinator.

Reviser's note: RCW 34.05.395 requires the use of underlining and deletion marks to indicate amendments to existing rules. The rule published above varies from its predecessor in certain respects not indicated by the use of these markings.

Reviser's note: The bracketed material preceding the section above was supplied by the code reviser's office.

NEW SECTION [AMENDATORY SECTION (Amending WSR 97-24-052, filed 11/26/97, effective 10/24/97)]

WAC 137-100-030 Request for records - by correctional staff members. A request for test results shall be made in writing. At a minimum, the request shall include:

- (1) Name of the person requesting the record;
- (2) Nature of the exposure, including date and time;
- (3) Name of the offender; and
- (4) DOC number of the offender, if known.

In addition, the request shall be accompanied by a copy of the report of personal injury (form DOC 3-133) and a Post-Exposure Incident Report (form 3-184) which outlines the circumstances and results of the exposure incident.

Reviser's note: RCW 34.05.395 requires the use of underlining and deletion marks to indicate amendments to existing rules. The rule published above varies from its predecessor in certain respects not indicated by the use of these markings.

Reviser's note: The bracketed material preceding the section above was supplied by the code reviser's office.

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NEW SECTION**WAC 137-100-040 Request for records - Interagency**

Information may be released by the department to outside agencies to facilitate requested records. Requests from outside agencies shall be submitted to the department.

**WSR 98-02-077
PROPOSED RULES
DEPARTMENT OF
SOCIAL AND HEALTH SERVICES
(Aging and Adult Services Administration)
[Filed January 7, 1998, 11:20 a.m.]**

Supplemental Notice to WSR 97-18-087.

Preproposal statement of inquiry was filed as WSR 96-18-089.

Title of Rule: Revisions to the adult family home minimum licensing requirements, WAC 388-76-540 through 388-76-705.

Purpose: To make the adult family home regulations more clear, more easily understood, and more reflective of practices that are currently in place.

Statutory Authority for Adoption: RCW 70.128.040.

Statute Being Implemented: Chapters 70.128 and 70.129 RCW.

Summary: Due to laws passed in the 1995 legislative session, rules governing adult family homes were completely revised and became effective in July 1996. In the past year, internal and external stakeholders have provided input and feedback concerning their experience implementing these rules. This feedback made it evident that changes to the regulations were needed to: (1) Eliminate faulty and/or confusing language; (2) make the regulations clearer and more easily understood; and (3) make the regulations more reflective of current practice. In addition, some changes are necessary to ensure department expectations are clearly defined and easily understood.

Reasons Supporting Proposal: See Summary above.

Name of Agency Personnel Responsible for Drafting, Implementation and Enforcement: Stacy Winokur, P.O. Box 45600, Olympia, WA 98504-5600, 1-800-422-3263 or (360) 407-0505.

Name of Proponent: Department of Social and Health Services, governmental.

Rule is not necessitated by federal law, federal or state court decision.

Explanation of Rule, its Purpose, and Anticipated Effects: See Purpose and Summary above.

Proposal Changes the Following Existing Rules: These changes will: (1) Eliminate faulty and/or confusing language; (2) make the regulations clearer and more easily understood; (3) make the regulations more reflective of current practice; and (4) ensure department expectations are clearly defined and easily understood.

A small business economic impact statement has been prepared under chapter 19.85 RCW.

Reviser's note: The material contained in this small business economic impact statement exceeded the page-count limitations of WAC 1-21-040 for appearance in this issue of the Register. It will appear in the 98-04 issue of the Register.

A copy of the statement may be obtained by writing to Carole Campbell, Residential Care Services, P.O. Box 45600, Olympia, WA 98504-5600, phone (800) 422-3263 or (360) 493-2631, or FAX (360) 438-7903.

RCW 34.05.328 applies to this rule adoption. Because these proposed rules are considered significant legislative rules, RCW 34.05.328 applies. To obtain a copy of the cost benefit analysis contact Carole Campbell at the address and phone number listed above.

Hearing Location: OB-2 Auditorium, 1115 Washington Street S.E., Olympia, WA 98504, on March 10, 1998, at 10:00 a.m.; and at Spokane Community College, 1810 North Green Street, Lair Building #6 (Sasquatch Room), Spokane, WA 99207-5399, on March 17, 1998, at 9:00 a.m.

Assistance for Persons with Disabilities: Contact Paige Wall by March 9, 1998, phone (360) 902-7540, TTY (360) 902-8324, e-mail pwall@dshs.wa.gov.

Submit Written Comments to and Identify WAC Numbers: Paige Wall, Rules Coordinator, Rules and Policies Assistance Unit, P.O. Box 45850, Olympia, WA 98504-5850, FAX (360) 902-8292, by March 17, 1998.

Date of Intended Adoption: No sooner than March 18, 1998.

January 6, 1998
Merry A. Kogut, Manager
Rules and Policies Assistance Unit

Reviser's note: The material contained in this filing exceeded the page-count limitations of WAC 1-21-040 for appearance in this issue of the Register. It will appear in the 98-04 issue of the Register.

PROPOSED



NO EXPEDITED ADOPTIONS FILED IN THIS ISSUE

EXPEDITED ADOPTION



WSR 98-01-124
PERMANENT RULES
DEPARTMENT OF
SOCIAL AND HEALTH SERVICES
(Medical Assistance Administration)
[Filed December 18, 1997, 1:10 p.m.]

Date of Adoption: December 18, 1997.

Purpose: To adopt rules describing the coverage, payment and payment methodology for hospital services.

Statutory Authority for Adoption: RCW 74.08.090, 74.09.730, 74.04.050, 70.01.010.

Other Authority: RCW 74.09.200, [74.09.]500, [74.09.]530, [74.09.]730, 43.20B.020.

Adopted under notice filed as WSR 97-11-008 on May 8, 1997.

Changes Other than Editing from Proposed to Adopted Version: The department made numerous editorial revisions and clarifications since these rules were proposed. In addition, the department made the following changes:

1. WAC 388-550-5300 (1)(b) initially read: "Is a state-owned university or public corporation hospital (border area hospitals are included);" The Medical Assistance Administration revised WAC 388-550-5300 (1)(b) to read: "Is a state-owned university or public corporation hospital (border area hospitals are excluded);"

WAC 388-550-5400 (1)(b) initially read: "Is a public district hospital in Washington state including border area hospitals; and" The Medical Assistance Administration revised WAC 388-550-5400 (1)(b) to read: "Is a public district hospital in Washington state or a border area hospital owned by a public corporation; and"

Reason: These changes bring the WACs into agreement with the Medical Assistance Administration's Medicaid state plan. The department initially placed Oregon Health Sciences University Hospital (OHSU) in the state teaching hospital financing disproportionate share program (STFPDSH). However, in cooperation with the Washington State Hospital Association staff and attorney for OHSU, the department determined that the public hospital district disproportionate share program (PHDDSH) was a "better fit" for OHSU.

2. WAC 388-550-4800(6), changed the trauma severity factory from "sixteen" to "nine."

Reason: This change was made in response to information provided by the Department of Health and the Trauma Technical Advisory Group.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 72, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 72, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Thirty-one days after filing.
December 18, 1997
Merry A. Kogut, Manager
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NEW SECTION

WAC 388-550-1050 Definitions. Unless otherwise specified, the terms used in this chapter have the following meaning:

"**Accommodation costs**" mean the expenses incurred by a hospital to provide its patients services for which a separate charge is not customarily made, such as, but not limited to, a regular hospital room, special care hospital room, dietary and nursing services, medical and surgical supplies, medical social services, psychiatric social services, and the use of certain hospital equipment and facilities.

"**Acute**" means a term describing medical condition of severe intensity with sudden onset.

"**Acute care**" means care provided by an agency for clients who are not medically stable or have not attained a satisfactory level of rehabilitation. These clients require frequent monitoring by a health care professional in order to maintain their health status (WAC 248-27-015).

"**ADATSA/DASA assessment center**" means an agency contracted by the division of alcohol and substance abuse (DASA) to provide chemical dependency assessment for clients and pregnant women in accordance with the alcohol and drug addiction treatment and support act (ADATSA). Full plans for a continuum of drug and alcohol treatment services for pregnant women are also developed in ADATSA/DASA assessment centers.

"**Add-on procedure**" means a secondary procedure that is performed in addition to another procedure.

"**Administrative day**" means a day of a hospital stay in which an acute inpatient level of care is no longer necessary, and an appropriate noninpatient hospital placement is not available.

"**Admitting diagnosis**" means the diagnosis, coded according to the International Classification of Diseases, 9th Revision, Clinical Modifications (ICD-9-CM), indicating the medical condition which precipitated the client's admission to an inpatient hospital facility.

"**Advance directive**" means a document, such as a living will, executed by a client, that tells the client's health care providers and others the client's decisions regarding his or her medical care, particularly whether the client wishes to accept or refuse extraordinary measures to prolong his or her life.

"**Aggregate capital cost**" means the total cost or the sum of all capital costs.

"**Aggregate cost**" means the total cost or the sum of all constituent costs.

"**Aggregate operating cost**" means the total cost or the sum of all operating costs.

"**Alcohol and drug addiction treatment and support act (ADATSA)**" means the law and the state-funded program it established which provides medical services for persons who are incapable of gainful employment due to alcoholism or substance addiction.

"**Alcoholism and/or alcohol abuse treatment**" means the provision of medical social services to an eligible client

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designed to mitigate or reverse the effects of alcoholism or alcohol abuse and to reduce or eliminate alcoholism or alcohol abuse behaviors and restore normal social, physical, and psychological functioning. Alcoholism or alcohol abuse treatment is characterized by the provision of a combination of alcohol education sessions, individual therapy, group therapy, and related activities to detoxified alcoholics and their families.

"All-patient grouper (AP-DRG)" means a computer program that determines the diagnosis-related group (DRG) assignments.

"Allowed charges" mean the maximum amount for any procedure that the department will recognize.

"Ancillary hospital costs" mean the expenses incurred by a hospital to provide additional or supporting services to its patients during their hospital stay. Such services include, but are not limited to, laboratory, radiology, drugs, delivery room (including maternity labor room), and operating room (including anesthesia and postoperative recovery rooms).

"Ancillary services" mean additional or supporting services, such as, but not limited to, laboratory, radiology, drugs, delivery room, operating room, postoperative recovery rooms, and other special items and services, provided by a hospital to a patient during his or her hospital stay.

"Approved treatment facility" means a treatment facility, either public or private, profit or nonprofit, approved by DSHS.

"Audit" means an assessment, evaluation, examination, or investigation of a health care provider's accounts, books and records, including:

(1) Medical, financial and billing records pertaining to billed services paid by the department through Medicaid or other state programs, by a person not employed or affiliated with the provider, for the purpose of verifying the service was provided as billed and was allowable under program regulations; and

(2) Financial, statistical and medical records, including mathematical computations and special studies conducted supporting Medicare cost reports HCFA Form 2552, submitted to the department for the purpose of establishing program rates of reimbursement to hospital providers.

"Audit claims sample" means a subset of the universe of paid claims from which the sample is drawn, whether based upon judgmental factors or random selection. The sample may consist of any number of claims in the population up to one hundred percent. See also **"random claims sample"** and **"stratified random sample."**

"Authorization number" means a nine-digit number assigned by MAA that identifies individual requests for approval of services or equipment. The same authorization number is used throughout the history of the request, whether it is approved, pending, or denied.

"Authorization requirement" means MAA's requirement that a provider present proof of medical necessity to MAA, usually before providing certain medical services or equipment to a client. This takes the form of a request for authorization of the service(s) and/or equipment, including a complete, detailed description of the client's diagnosis and/or any disabling conditions, justifying the need for the equipment or the level of service being requested.

"Average hospital rate" means the weighted average of hospital rates in the state of Washington.

"Bad debt" means an operating expense or loss incurred by a hospital because of uncollectible accounts receivables.

"Base period" means, for purposes of establishing a provider rate, a specific period or timespan used as a reference point or basis for comparison.

"Base period costs" mean costs incurred in or associated with a specified base period.

"Beneficiary" means a recipient of Social Security benefits, or a person designated by an insuring organization as eligible to receive benefits.

"Benefit period" means a "spell of illness" for Medicare payments. For part A coverage, the benefit period begins on the first day a Medicare beneficiary is furnished inpatient hospital or extended care services by a qualified provider, and ends when the beneficiary has been out of the hospital or other covered facility for sixty-consecutive days.

"Billed charge" - See **"usual and customary charge."**

"Blended rate" means a mathematically weighted average rate.

"Border area hospital" means a hospital located in an area defined by state law as: Oregon - Astoria, Hermiston, Hood River, Milton-Freewater, Portland, Rainier, or The Dalles; Idaho - Coeur d'Alene, Lewiston, Moscow, Priest River or Sandpoint.

"Bundled services" mean interventions which are incidental to the major procedure and are not separately reimbursable.

"Buy-in premium" means a monthly premium the state pays so a client is enrolled in part A and/or part B Medicare.

"By report" means a method of reimbursement in which MAA determines the amount it will pay for a service that is not included in MAA's published fee schedules by requiring the provider to submit a "report" describing the nature, extent, time, effort and/or equipment necessary to deliver the service.

"Callback" means keeping physician staff on duty beyond their regularly scheduled hours, or having them return to the facility after hours to provide unscheduled services; usually associated with hospital emergency room, surgery, laboratory and radiology services.

"Capital-related costs" mean the component of operating costs related to capital assets, including, but not limited to:

- (1) Net adjusted depreciation expenses;
- (2) Lease and rentals for the use of depreciable assets;
- (3) The costs for betterment and improvements;
- (4) The cost of minor equipment;
- (5) Insurance expenses on depreciable assets;
- (6) Interest expense; and
- (7) Capital-related costs of related organizations that provide services to the hospital.

It excludes capital costs due solely to changes in ownership of the provider's capital assets.

"Case mix complexity" means, from the clinical perspective, the condition of the patients treated and the treatment difficulty associated with providing care. Administratively, it means the resource intensity demands that patients place on an institution.

"Case mix index" means a measure of the costliness of cases treated by a hospital relative to the cost of the average

of all Medicaid hospital cases, using diagnosis-related group weights as a measure of relative cost.

"Charity care" means necessary hospital health care rendered to indigent persons, as defined in this section, to the extent that these persons are unable to pay for the care or to pay the deductibles or coinsurance amounts required by a third-party payer, as determined by the department.

"Chemical dependency" means an alcohol or drug addiction; or dependence on alcohol and one or more other psychoactive chemicals.

"Children's hospital" means a hospital primarily serving children.

"Coinsurance" - See WAC 388-500-005.

"Comorbidity" means of, relating to, or caused by a disease other than the principal disease.

"Complication" means a disease or condition occurring subsequent to or concurrent with another condition and aggravating it.

"Comprehensive hospital abstract reporting system (CHARS)" means the department of health's hospital data collection, tracking and reporting system.

"Contract hospital" means a licensed hospital located in a selective contracting area, which is awarded a contract to participate in the department's selective contracting hospital program.

"Contractual adjustment" means the difference between the amount billed at established charges for the services provided and the amount received or due from a third-party payer under a contract agreement. A contractual adjustment is similar to a trade discount.

"Conversion factor" means a hospital-specific dollar amount that reflects the average cost of treating Medicaid clients in a given hospital. See **"cost-based conversion factor (CBCF)"** and **"negotiated conversion factor (NCF)."**

"Cost proxy" means an average ratio of costs to charges for ancillary charges or per diem for accommodation cost centers used to determine a hospital's cost for the services where the hospital has charges for the services has does not report costs in corresponding centers in its Medicare cost report.

"Cost report" means the HCFA Form 2552, Hospital and Hospital Health Care Complex Cost Report, completed and submitted annually by a provider:

(1) To Medicare intermediaries at the end of a provider's selected fiscal accounting period to establish hospital reimbursable costs for per diem and ancillary services; and

(2) To Medicaid to establish appropriate DRG and RCC reimbursement.

"Costs" mean MAA-approved operating, medical education, and capital-related costs as reported and identified on the HCFA 2552 form.

"Cost-based conversion factor (CBCF)" means a hospital-specific dollar amount that reflects the average cost of treating Medicaid clients in a given hospital. It is calculated from the hospital's cost report by dividing the hospital's costs for treating Medicaid clients during a base period by the number of Medicaid discharges during that same period and adjusting for the hospital's case mix. See also **"conversion factor"** and **"negotiated conversion factor."**

"County hospital" means a hospital established under the provisions of chapter 36.62 RCW.

"Covered service" means a service that is included in the Medicaid program and is within the scope of the eligible client's medical care program.

"Critical care services" mean services for critically ill or injured patients in a variety of medical emergencies that require the constant attendance of the physician (e.g., cardiac arrest, shock, bleeding, respiratory failure, postoperative complications). For Medicaid reimbursement purposes, critical care services must be provided in a Medicare qualified critical care area, such as the coronary care unit, intensive care unit, respiratory care unit, or the emergency care facility, to qualify for reimbursement as a special care level of service.

"Current procedural terminology (CPT)" means a systematic listing of descriptive terms and identifying codes for reporting medical services, procedures, and interventions performed by physicians; it is published annually by the American Medical Association (AMA).

"Customary charge or fee" - See **"Allowed charges"** and **"usual and customary charge."**

"Customary charge payment limit" means the limit placed on aggregate diagnosis-related group (DRG) payments to a hospital during a given year to assure that DRG payments do not exceed the hospital's charges to the general public for the same services.

"Day outlier" means a case that requires MAA to make additional payment to the hospital provider but which does not qualify as a high-cost outlier. See **"day outlier payment"** and **"day outlier threshold."**

"Day outlier payment" means the additional amount paid to a disproportionate share hospital for a client five years old or younger who has a prolonged inpatient stay which exceeds the day outlier threshold but whose charges for care fall short of the high cost outlier threshold. The amount is determined by multiplying the number of days in excess of the day outlier threshold and the administrative day rate.

"Day outlier threshold" means the average number of days a client stays in the hospital for an applicable DRG before being discharged, plus twenty days.

"Deductible" means the amount a beneficiary is responsible for, before Medicare starts paying; or the initial specific dollar amount for which the applicant or client is responsible.

"Detoxification" means treatment provided to persons who are recovering from the effects of acute or chronic intoxication or withdrawal from alcohol or other drugs.

"Diabetic education program" means a comprehensive, multidisciplinary program of instruction offered by an MAA-approved facility to diabetic clients on dealing with diabetes, including instruction on nutrition, foot care, medication and insulin administration, skin care, glucose monitoring, and recognition of signs/symptoms of diabetes with appropriate treatment of problems or complications.

"Diagnosis code" means a set of alphabetic, numeric, or alpha-numeric characters assigned by the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM), as a shorthand symbol to represent the nature of a disease.

"Diagnosis-related group (DRG)" means a classification system which categorizes hospital patients into clinically coherent and homogenous groups with respect to resource use, i.e., similar treatments and statistically similar lengths of stay for patients with related medical conditions. Classification of patients is based on the International Classification of Diseases, the presence of a surgical procedure, patient age, presence or absence of significant co-morbidities or complications, and other relevant criteria.

"Direct medical education costs" means the direct costs of providing an approved medical residency program as recognized by Medicare.

"Discharging hospital" means the institution releasing a client from the acute care hospital setting.

"Disproportionate share payment" means additional payment(s) made by the department to a hospital which serves a disproportionate number of Medicaid and other low-income clients and which qualifies for one or more of the disproportionate share hospital programs identified in the state plan.

"Disproportionate share program" means a program that provides additional payments to hospitals which serve a disproportionate number of Medicaid and other low-income clients.

"Dispute conference" means a meeting for deliberation during a provider administrative appeal.

(1) At the first level of appeal it is usually a meeting between auditors and the audited provider and/or staff to resolve disputed audit findings, clarify interpretation of regulations and policies, provide additional supporting information and/or documentation.

(2) At the second level of appeal the dispute conference is a more formal hearing, held by the office of contracts and asset management which issues a decision articulating the department's final position on the contested issue(s).

(3) See WAC 388-81-042.

"Distinct unit" means a Medicare-certified distinct area for rehabilitation services within a general acute care hospital or a department-designated unit in a children's hospital.

"DRG" - See **"diagnosis-related group."**

"DRG-exempt services" mean services which are paid for through other methodologies than those using cost-based or negotiated conversion factors.

"DRG payment" means the payment made by MAA for a client's inpatient hospital stay; it is calculated by multiplying the hospital-specific conversion factor by the DRG relative weight for the client's medical diagnosis.

"DRG relative weight" means the average cost of a certain DRG divided by the average cost for all cases in the entire data base for all DRGs, expressed in comparison to a designated standard cost.

"Drug addiction and/or drug abuse treatment" means the provision of medical and rehabilitative social services to an eligible client designed to mitigate or reverse the effects of drug addiction or drug abuse and to reduce or eliminate drug addiction or drug abuse behaviors and restore normal physical and psychological functioning. Drug addiction or drug abuse treatment is characterized by the provision of a combination of drug and alcohol education sessions, individual therapy, group therapy and related activities to detoxified addicts and their families.

"Elective procedure or surgery" means a nonemergent procedure or surgery that can be scheduled at convenience.

"Emergency medical condition" - See WAC 388-500-0005, Medical definitions.

"Emergency medical expense requirement (EMER)" - See WAC 388-500-0005, Medical definitions.

"Emergency room" or **"emergency facility"** means an organized, distinct hospital-based facility available twenty-four hours a day for the provision of unscheduled episodic services to patients who present for immediate medical attention, and capable of providing emergency services including trauma.

"Emergency services" mean medical services, including maternity services, required by and provided to a patient after the sudden onset of a medical condition manifesting itself by acute symptoms of sufficient severity (including severe pain) that the absence of immediate medical attention could reasonably be expected to result in placing the patient's health in serious jeopardy; serious impairment to bodily functions; or serious dysfunction of any bodily organ or part. Inpatient maternity services are treated as emergency services.

"Equivalency factor" means a conversion factor used, in conjunction with two other factors (cost-based conversion factor and the ratable factor), to determine the level of state-only program payment.

"Exempt hospital" means a hospital that is either not located in a selective contracting area or is exempted by the department and is reimbursed for services to MAA clients through methodologies other than those using cost-based or negotiated conversion factors.

"Experimental treatment" means a course of treatment or procedure that:

(1) Is not generally accepted by the medical profession as effective and proven;

(2) Is not recognized by professional medical organizations as conforming to accepted medical practice;

(3) Has not been approved by the federal Food and Drug Administration (FDA) or other requisite government body;

(4) Is still in clinical trials, or has been judged to need further study;

(5) Is covered by the federal law requiring provider institutional review of patient consent forms, and such review did not occur; or

(6) Is rarely used, novel, or relatively unknown, and lacks authoritative evidence of safety and effectiveness.

"Facility triage fee" means the amount the medical assistance administration will pay a hospital for a medical evaluation or medical screening examination, performed in the hospital's emergency department, of a nonemergent condition of a *healthy options* client covered under the primary care case management (PCCM) program. This amount corresponds to the professional care level 1 or level 2 service.

"Fiscal intermediary" means Medicare's designated fiscal intermediary for a region and/or category of service.

"Formula price" means the hospital's payment rate, which is the product of the hospital-specific conversion factor multiplied by the DRG weight for the given hospitalization.

"**Global surgery days**" mean the number of preoperative and follow-up days that are included in the reimbursement to the physician for the major surgical procedure.

"**Graduate medical education costs**" mean the direct and indirect costs of providing medical education in teaching hospitals.

"**Grouper**" - See "**all-patient grouper (AP-DRG)**."

"**HCFA 2552**" - See "**cost report**."

"**Health care team**" means a team of professionals and/or paraprofessionals involved in the care of a client.

"**High-cost outlier**" means a case with extraordinarily high costs when compared to other cases in the same DRG, in which the allowed charges exceed three times the applicable DRG payment or twenty-eight thousand dollars, whichever is greater.

"**Hospice**" means a medically-directed, interdisciplinary program of palliative services which is provided under arrangement with a Title XVIII Washington state-licensed and Title XVIII-certified Washington state hospice for terminally ill clients and the clients' families.

"**Hospital**" means an entity which is licensed as an acute care hospital in accordance with applicable state laws and regulations, and which is certified under Title XVIII of the federal Social Security Act.

"**Hospital admission**" means admission as an inpatient to a hospital, for a stay of twenty-four hours or longer.

"**Hospital cost report**" - See "**cost report**."

"**Hospital facility fee**" - See "**facility triage fee**."

"**Hospital market basket index**" means a measure, expressed as a percentage, of the annual inflationary costs for hospital services, as measured by Data Resources, Inc., (DRI).

"**Hospital peer group**" means the peer group categories adopted by the former Washington state hospital commission for rate-setting purposes:

(1) Group A - rural hospitals paid under a ratio-of-costs-to-charges (RCC) methodology;

(2) Group B - urban hospitals without medical education programs;

(3) Group C - urban hospitals with medical education programs; and

(4) Group D - specialty hospitals and/or hospitals not easily assignable to the other three peer groups.

"**Indigent patient**" means a patient who has exhausted any third-party sources, including Medicare and Medicaid, and whose income is equal to or below two hundred percent of the federal poverty standards (adjusted for family size), or is otherwise not sufficient to enable the individual to pay for his or her care, or to pay deductibles or coinsurance amounts required by a third-party payor.

"**Indirect medical education costs**" means the indirect costs of providing an approved medical residency program as recognized by Medicare.

"**Inflation adjustment**" means, for cost inflation, the hospital inflation factor determined by Data Resources, Inc., (DRI) and published in the DRI/McGraw-Hill Report. See also "**hospital market basket index**." For charge inflation, it means the inflation factor determined by comparing average discharge charges for the industry from one year to the next, as found in the comprehensive hospital abstract reporting system (CHARS) standard reports three and four.

"**Inpatient hospital**" means a hospital authorized by the department of health to provide inpatient services.

"**Inpatient services**" mean all services provided directly or indirectly by the hospital to a patient subsequent to admission and prior to discharge, and includes, but is not limited to, the following services: Bed and board; medical, nursing, surgical, pharmacy and dietary services; maternity services; psychiatric services; all diagnostic and therapeutic services required by the patient; the technical and/or professional components of certain services; use of hospital facilities, medical social services furnished by the hospital, and such drugs, supplies, appliances and equipment as required by the patient; transportation services subsequent to admission and prior to discharge; and services provided by the hospital within twenty-four hours of the patient's admission as an inpatient.

"**Institution**" - See WAC 388-500-0005, Medical definitions.

"**Interdisciplinary group (IDG)**" means the team, including a physician, a registered nurse, a social worker, and a pastoral or other counselor, which is primarily responsible for the provision or supervision of care and services for a Medicaid client.

"**Intermediary**" - See "**fiscal intermediary**."

"**International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Edition**" means the systematic listing that transforms verbal descriptions of diseases, injuries, conditions and procedures into numerical designations (coding).

"**Intervention**" means any medical or dental service provided to a client that modifies the medical or dental outcome for that client.

"**Length of stay (LOS)**" means the number of days of inpatient hospitalization. The phrase more commonly means the average length of hospital stay for patients based on diagnosis and age, as determined by the Commission of Professional and Hospital Activities and published in a book entitled *Length of Stay by Diagnosis, Western Region*. See also "**professional activity study (PAS)**."

"**Length of stay extension request**" means a request from a hospital provider for MAA to approve a client's hospital stay exceeding the average length of stay for the client's diagnosis and age.

"**Lifetime hospitalization reserve**" means, under the Medicare Part A benefit, the nonrenewable sixty hospital days that a beneficiary is entitled to use during his or her lifetime for hospital stays extending beyond ninety days per benefit period. See also "**reserve days**."

"**Low-cost outlier**" means a case with extraordinarily low costs when compared to other cases in the same DRG, in which the allowed charges for the case is less than or equal to ten percent of the applicable DRG payment or four hundred dollars, whichever is greater. Reimbursement in such cases is determined by multiplying the case's allowed charges by the hospital's RCC ratio.

"**Low income utilization rate**" means a formula represented as $(A/B)+(C/D)$ in which:

(1) The numerator A is the hospital's total patient services revenue under the state plan, plus the amount of cash subsidies for patient services received directly from state and local governments in a period;

(2) The denominator B is the hospital's total patient services revenue (including the amount of such cash subsidies) in the same period as the numerator;

(3) The numerator C is the hospital's total inpatient service charge attributable to charity care in a period, less the portion of cash subsidies described in (1) of this definition in the period reasonably attributable to inpatient hospital services. The amount shall not include contractual allowances and discounts (other than for indigent patients not eligible for medical assistance under the state plan); and

(4) The denominator D is the hospital's total charge for inpatient hospital services in the same period as the numerator.

"Major diagnostic category (MDC)" means one of the twenty five mutually exclusive groupings of principal diagnosis areas in the DRG system. The diagnoses in each MDC correspond to a single major organ system or etiology and, in general, are associated with a particular medical specialty.

"Market basket index" - See **"hospital market basket index."**

"Medicaid cost proxy" means a figure developed to approximate or represent a missing cost figure.

"Medicaid inpatient utilization rate" means a formula represented as X/Y in which:

(1) The numerator X is the hospital's number of inpatient days attributable to patients who (for such days) were eligible for medical assistance under the state plan in a period.

(2) The denominator Y is the hospital's total number of inpatient days in the same period as the numerator's. Inpatient day includes each day in which an individual (including a newborn) is an inpatient in the hospital, whether or not the individual is in a specialized ward and whether or not the individual remains in the hospital for lack of suitable placement elsewhere.

"Medical care services" - See WAC 388-500-0005, Medical definitions.

"Medical education costs" mean the expenses incurred by a hospital to operate and maintain a formally organized graduate medical education program.

"Medical screening evaluation" means the service(s) provided by a physician or other practitioner to determine whether an emergent medical condition exists. See also **"facility triage fee."**

"Medical stabilization" means a return to a state of constant and steady function. It is commonly used to mean the client is adequately supported to prevent further deterioration.

"Medically indigent (MI)" - See WAC 388-500-0005, Medical definitions.

"Medically indigent person" means a person certified by the department of social and health services as eligible for the limited casualty program-medically indigent (LCP-MI) program. See also **"indigent patient."**

"Medicare cost report" means the annual cost data reported by a hospital to Medicare on the HCFA form 2552.

"Medicare crossover" means a claim involving a client who is eligible for both Medicare benefits and Medical Assistance.

"Medicare fee schedule (MFS)" means the official HCFA publication of Medicare policies and relative value

units for the resource based relative value scale (RBRVS) reimbursement program.

"Medicare Part A" means that part of the Medicare program that helps pay for inpatient hospital services, which may include, but are not limited to:

- (1) A semi-private room;
- (2) Meals;
- (3) Regular nursing services;
- (4) Operating room;
- (5) Special care units;
- (6) Drugs and medical supplies;
- (7) Laboratory services;
- (8) X-ray and other imaging services; and
- (9) Rehabilitation services.

Medicare hospital insurance also helps pay for post-hospital skilled nursing facility care, some specified home health care, and hospice care for certain terminally ill beneficiaries.

"Medicare part B" means that part of the Medicare program that helps pay for, but is not limited to:

- (1) Physician services;
- (2) Outpatient hospital services;
- (3) Diagnostic tests and imaging services;
- (4) Outpatient physical therapy;
- (5) Speech pathology services;
- (6) Medical equipment and supplies;
- (7) Ambulance;
- (8) Mental health services; and
- (9) Home health services.

"Medicare buy-in premium" - See **"buy-in premium."**

"Medicare payment principles" mean the rules published in the federal register regarding reimbursement for services provided to Medicare clients.

"Mentally incompetent" means a client who has been declared mentally incompetent by a federal, state, or local court of competent jurisdiction for any purpose, unless the client has been declared competent for purposes which include the ability to consent to sterilization.

"Multiple occupancy rate" means the rate customarily charged for a hospital room with two or more patient beds.

"Negotiated conversion factor (NCF)" means a negotiated hospital-specific dollar amount which is used in lieu of the cost-based conversion factor as the multiplier for the applicable DRG weight to determine the DRG payment for a selective contracting program hospital. See also **"conversion factor"** and **"cost-based conversion factor."**

"Nonallowed service or charge" means a service or charge that cannot be billed to the department or client.

"Noncontract hospital" means a licensed hospital located in a selective contracting area (SCA) but which does not have a contract to participate in the selective contracting hospital program.

"Noncovered service or charge" means a service or charge that is not covered by medical assistance, including, but not limited to, such services or charges as a private room, circumcision, and video recording of the procedure.

"Nonemergent hospital admission" means any inpatient hospitalization of a client who does not have an emergent condition, as defined in WAC 388-500-0005, Emergency services.

"Nonparticipating hospital" means a noncontract hospital, as defined in this section.

"Operating costs" mean all expenses incurred in providing accommodation and ancillary services, excluding capital and medical education costs.

"Orthotic device" means a fitted surgical apparatus designed to activate or supplement a weakened or atrophied limb or bodily function.

"Out-of-state hospital" means any hospital located outside the state of Washington or outside the designated border areas in Oregon and Idaho.

"Outlier set-aside factor" means the amount by which a hospital's cost-based conversion factor is reduced for payments of high cost outlier cases.

"Outlier set-aside pool" means the total amount of payments for high cost outliers which are funded annually based on payments for high cost outliers during the year.

"Outliers" mean cases with extraordinarily high or low costs when compared to other cases in the same DRG.

"Outpatient" means a client who is receiving medical services in other than an inpatient hospital setting.

"Outpatient care" means medical care provided in other than an inpatient hospital setting, such as in a hospital outpatient or emergency department, a physician's office, the patient's own home, or a nursing facility.

"Outpatient hospital" means a hospital authorized by the department of health to provide outpatient services.

"Outpatient stay" means a hospital stay of less than or approximating twenty-four hours, except that cases involving the death of a client, delivery or initial care of a newborn, or transfer to another acute care facility are not deemed outpatient stays.

"Pain treatment facility" means an MAA-approved inpatient facility for pain management, in which a multidisciplinary approach is used to teach clients various techniques to live with chronic pain.

"Participating hospital" means a licensed hospital that accepts MAA clients.

"PAS length of stay (LOS)" means the average length of hospital stay for patients based on diagnosis and age, as determined by the Commission of Professional and Hospital Activities and published in a book entitled *Length of Stay by Diagnosis, Western Region*. See also **"professional activity study (PAS)"** and **"length of stay."**

"Patient consent" means the informed consent of the client and/or the client's guardian to the procedure(s) to be performed upon or the treatment provided to the client, evidenced by the client's or guardian's signature on a consent form.

"Peer group" - See **"hospital peer group."**

"Peer group cap" means the reimbursement limit set for hospital peer groups B and C, established at the seventieth percentile of all hospitals within the same peer group for aggregate operating, capital, and direct medical education costs.

"Per diem charge" means the daily charge per client that a facility may bill or is allowed to receive as payment for its services.

"Personal comfort items" mean items and services which do not contribute meaningfully to the treatment of an illness or injury or the functioning of a malformed body member.

"Physical medicine and rehabilitation (PM&R)" means a comprehensive inpatient rehabilitative program coordinated by a multidisciplinary team at an MAA-approved rehabilitation facility. The program provides twenty-four-hour specialized nursing services and an intense level of therapy for a diagnostic category for which the client shows significant potential functional improvement.

"Physician standby" means physician attendance without direct face-to-face patient contact and does not involve provision of care or services.

"Physician's current procedural terminology (CPT)" - See **"CPT."**

"Plan of treatment" or **"plan of care"** means the written plan of care for a patient which includes, but is not limited to, the physician's order for treatment and visits by the disciplines involved, the certification period, medications, and rationale indicating need for services.

"Pregnant and postpartum women (PPW)" mean eligible female clients who are pregnant or within the first one hundred sixty days following delivery.

"Principal diagnosis" means the medical condition determined after study of the patient's medical records to be the principal cause of the patient's hospital stay.

"Principal procedure" means a procedure performed for definitive treatment rather than diagnostic or exploratory purposes, or because it was necessary due to a complication.

"Private room rate" means the rate customarily charged by a hospital for a one-bed room.

"Professional activity study (PAS)" means the compilation of inpatient hospital data by diagnosis and age, conducted by the Commission of Professional and Hospital Activities, which resulted in the determination of an average length of stay for patients. The data are published in a book entitled *Length of Stay by Diagnosis, Western Region*.

"Professional component" means the part of a procedure or service that relies on the physician's professional skill or training, or the part of a reimbursement that recognizes the physician's cognitive skill.

"Prognosis" means the probable outcome of a patient's illness, including the likelihood of improvement or deterioration in the severity of the illness, the likelihood for recurrence, and the patient's probable life span as a result of the illness.

"Prolonged service" means direct face-to-face patient services provided by a physician, either in the inpatient or outpatient setting, which involve time beyond what is usual for such services.

"Prospective payment system (PPS)" means a system that sets payment rates for a pre-determined period for defined services, before the services are provided. The payment rates are based on economic forecasts and the projected cost of services for the pre-determined period.

"Prosthetic device" - See WAC 388-500-0005, Medical definitions.

"Psychiatric hospitals" mean designated psychiatric facilities, state psychiatric hospitals, designated distinct part pediatric psychiatric units, and Medicare-certified distinct part psychiatric units in acute care hospitals.

"Public hospital district" means a hospital district established under chapter 70.44 RCW.

"Random claims sample" means a sample in which all of the items are selected randomly, using a random number

table or computer program, based on a scientific method of assuring that each item has an equal chance of being included in the sample. See also "audit claims sample" and "stratified random sample."

"**Ratable**" means a hospital-specific adjustment factor applied to the cost-based conversion factor (CBCF) to determine state-only program payment rates to hospitals.

"**Ratio of costs to charges (RCC)**" means the methodology used to pay hospitals for services exempt from the DRG payment method. It also refers to the factor applied to a hospital's allowed charges for medically necessary services to determine payment to the hospital for these DRG-exempt services.

"**Readmission**" means the situation in which a client who was admitted as an inpatient and discharged from the hospital is back as an inpatient within seven days as a result of one or more of the following: A new flair of illness, complication(s) from the first admission, a therapeutic admission following a diagnostic admission, a planned readmission following discharge, or a premature hospital discharge.

"**Rebasing**" means the process of recalculating the hospital cost-based conversion factors using more current data.

"**Recalibration**" means the process of recalculating DRG relative weights using more current data.

"**Rehabilitation units**" mean specifically identified rehabilitation hospitals and designated rehabilitation units of general hospitals that meet Medicare criteria for distinct part rehabilitation units.

"**Relative weights**" - See "DRG relative weights."

"**Remote hospitals**" mean hospitals located outside selective contracting areas (SCAs), or which:

- (1) Are more than ten miles from the nearest contract hospital in the SCA; and
- (2) Have fewer than seventy five beds; and
- (3) Have fewer than five hundred Medicaid admissions in a two-year period.

"**Reserve days**" mean the days beyond the ninetieth day of hospitalization of a Medicare patient for a benefit period or spell of illness. See also "**lifetime hospitalization reserve**."

"**Retrospective payment system**" means a system that sets payment rates for defined services according to historic costs. The payment rates reflect economic conditions experienced in the past.

"**Revenue code**" means a nationally-used three-digit coding system for billing inpatient and outpatient hospital services, home health services, and hospice services.

"**Room and board**" means services provided in a nursing facility, including:

- (1) Assistance in the activities of daily living.
- (2) Socialization activities.
- (3) Administration of medication.
- (4) Maintenance of the resident's room.
- (5) Supervision and assistance in the use of durable medical equipment and prescribed therapies.

See "**accommodation costs**" for services included in the hospital room and board category.

"**Rural health clinic**" means a clinic that is located in a rural area designated as a shortage area, and is not a

rehabilitation agency or a facility primarily for the care and treatment of mental diseases.

"**Rural hospital**" means a rural health care facility capable of providing or assuring availability of health services in a rural area.

"**Secondary diagnosis**" means a diagnosis other than the principal diagnosis for which an inpatient is admitted to a hospital.

"**Selective contracting area (SCA)**" means an area in which hospitals participate in competitive bidding for hospital contracts. The boundaries of an SCA are based on historical patterns of hospital use by Medicaid patients.

"**Selective hospital contracting program**" or "**selective contracting**" means a competitive bidding program for hospitals within a specified geographic area to provide inpatient hospital services to medical assistance clients.

"**Semi-private room rate**" means a rate customarily charged for a hospital room with two to four beds; this charge is generally lower than a private room rate and higher than a ward room. See also "**multiple occupancy rate**."

"**Short stay**" means a hospital stay of less than or approximating twenty-four hours where an inpatient admission was not appropriate.

"**Special care unit**" means a Medicare-certified hospital unit where intensive care, coronary care, psychiatric intensive care, burn treatment or other specialized care is provided.

"**Specialty hospitals**" mean children's hospitals, psychiatric hospitals, cancer research centers or other hospitals which specialize in treating a particular group of clients or diseases.

"**Spenddown**" means the amount of excess income MAA has determined that a client has available to meet his or her medical expenses. The client becomes eligible for Medicaid coverage only after he or she meets the spenddown requirement.

"**Stat laboratory charges**" mean the charges by a laboratory for performing a test or tests immediately. "Stat." is the abbreviation for the Latin word "statim" meaning immediately.

"**State plan**" means the plan filed by the department with the Health Care Financing Administration (HCFA), Department of Health and Human Services (DHHS), outlining how the state will administer the hospital program.

"**Stratified random sample**" means a sample consisting of claims drawn randomly, using statistical formulas, from each stratum of a universe of paid claims stratified according to the dollar value of the claims. See also "**audit claims sample**" and "**random claims sample**."

"**Subacute care**" means care to a patient which is less intrusive than that given at an acute care hospital. Skilled nursing, nursing care facilities and other facilities provide subacute care services.

"**Surgery**" - The medical diagnosis and treatment of injury, deformity or disease by manual and instrumental operations. For reimbursement purposes, surgical procedures are those designated in CPT as procedure codes 10000 to 69999.

"**Swing-bed days**" means a bed day on which an inpatient is receiving skilled nursing services in a swing bed at the hospital's census hour. The hospital bed must be

certified by the health care financing administration for both acute care and skilled nursing services.

"Teaching hospital" means, for purposes of the teaching hospital assistance program disproportionate share hospital (THAPDSH), the University of Washington medical center and harborview hospital.

"Technical component" means the part of a procedure or service that relates to the equipment set-up and technician's time, or the part of a reimbursement that recognizes the equipment cost and technician time.

"Tertiary care hospital" means a specialty care hospital providing highly specialized services to clients with more complex medical needs than acute care services.

"Total patient days" means all patient days in a hospital for a given reporting period, excluding days for skilled nursing, nursing care, and observation days.

"Transfer" means to move a client from one acute care facility to another.

"Transferring hospital" means the hospital transferring a client to another acute care facility.

"Trauma care facility" means a facility certified by the department of health as a level I, II or III facility.

"UB-92" means the uniform billing document intended for use nationally by hospitals, hospital-based skilled nursing facilities, home health, and hospice agencies in billing third party payers for services provided to clients.

"Unbundled services" mean services which are excluded from the DRG payment to a hospital, including but not limited to, physician professional services and certain nursing services.

"Uncompensated care" - See "charity care."

"Uniform cost reporting requirements" means a standard accounting and reporting format as defined by Medicare.

"Uninsured indigent patient" means an individual who receives hospital inpatient and/or outpatient services and who cannot meet the cost of services provided because the individual has no or insufficient health insurance or other resources to cover the cost.

"Usual and customary charge (UCC)" means the charge customarily made to the general public for a procedure or service, or the rate charged other contractors for the service if the general public is not served.

Chapter 388-550 WAC HOSPITAL SERVICES

NEW SECTION

WAC 388-550-1000 Applicability. The department shall pay for hospital services provided to eligible clients when:

- (1) The eligible client is a patient in a general hospital and the hospital meets the definition in RCW 70.41.020;
- (2) The services are medically necessary as defined under WAC 388-500-0005; and
- (3) The conditions, exceptions and limitations in this chapter are met.

NEW SECTION

WAC 388-550-1100 Hospital coverage. (1) Admission of a medical care client to a hospital shall be covered only when the admission is requested by the client's attending physician. For nonemergent hospital admissions, "attending physician" shall mean the client's primary care provider, or the primary provider of care to the patient at the time of hospitalization. For emergent admissions, "attending physician" shall mean the staff member who has hospital privileges who evaluates the client's medical condition upon the client's arrival at the hospital.

(2) In areas where the choice of hospitals is limited by managed care or selective contracting, the department shall not be responsible for payment under fee-for-service for hospital care and/or services:

(a) Provided to managed care clients enrolled in the department's managed care plan, unless the services are excluded from the health carrier's capitation contract with the department and are covered under the medical assistance program; or

(b) Received by a medical care client from a nonparticipating hospital in a selective contracting area (SCA) unless exclusions in WACs 388-550-4600 and 388-550-4700 apply.

(3) The department shall provide chemical-dependent pregnant Medicaid clients up to twenty-six days of inpatient hospital care for hospital-based detoxification, medical stabilization, and drug treatment when:

(a) An alcohol, drug addiction and treatment support act assessment center verifies the need for the inpatient care; and

(b) The hospital chemical dependency treatment unit is certified by the division of alcohol and substance abuse.

See WAC 388-550-6250 for outpatient hospital services for chemical-dependent pregnant Medicaid clients.

(4) The department shall cover medically necessary services provided to eligible clients in a hospital setting for the care or treatment of teeth, jaws, or structures directly supporting the teeth:

(a) If the procedure requires hospitalization; and

(b) A physician or dentist gives or directly supervises such services.

(5) The department shall pay hospitals for services provided in special care units when the provisions of WAC 388-550-2900 (9)(c) are met.

(6) All services shall be subject to review and approval as stated in WAC 388-87-025.

(7) For inpatient psychiatric admissions, whether voluntary or involuntary, see chapter 246-318 WAC.

NEW SECTION

WAC 388-550-1200 Limitations on hospital coverage. Hospital coverage under the medical assistance program is limited for certain eligible clients, including, but not limited to, the following:

(1) Medical care clients enrolled with the department's managed care carriers as follows:

(a) Comprehensive risk contracts are subject to their respective carriers' policies and procedures regarding hospital services;

(b) Primary care case management contracts are subject to the clients' primary care physicians' approval;

(c) For emergency care exemptions, see WAC 388-538-100.

(2) The department shall limit coverage for clients eligible for the medically indigent (MI) program to emergent hospital services, subject to the conditions and limitations of WAC 388-521-2140, WAC 388-529-2950, and this chapter. The department shall not cover out-of-state hospital or other medical care for clients under the MI program.

(3) The department shall not cover out-of-state medical care for clients under the medical care services program.

(4) See WAC 388-550-1100(3) for chemical-dependent pregnant clients.

(5) The department shall limit care in a state mental institution or an approved psychiatric facility to categorically needy and medically needy clients under twenty-one years of age, or sixty-five years of age or older.

(6)(a) The department shall pay clients eligible for both Medicare and Medicaid only for their deductibles and coinsurance for hospitalization, unless the client has exhausted his or her Medicare part A benefits.

(b) If such benefits are exhausted, the department shall pay for hospitalization for such client subject to MAA rules.

NEW SECTION

WAC 388-550-1300 Revenue code categories and subcategories. (1) For reimbursement and audit purposes, hospitals shall report and bill all services provided to a medical care client under the appropriate cost centers or revenue codes, except the following services which are subject to current procedural terminology codes and rates when provided in an outpatient setting:

- (a) Laboratory/pathology;
- (b) Radiology, diagnostic and therapeutic;
- (c) Nuclear medicine;
- (d) Computerized tomography scans, magnetic resonance imaging, and other imaging services;
- (e) Physical therapy;
- (f) Occupational therapy;
- (g) Speech/language therapy; and
- (h) Other hospital services as identified and published by the department.

(2) Revenue code categories in this chapter shall be as listed in the state of Washington's UB-92 procedure manual, implemented October 1, 1993, which was patterned after the national uniform billing data element specifications adopted by the national uniform billing committee.

NEW SECTION

WAC 388-550-1400 Covered revenue codes for hospital services. (1) The department shall cover the following revenue code categories for both inpatient and outpatient hospitalizations:

- (a) "Pharmacy," except that:
 - (i) Subcategories "take-home drugs," "experimental drugs," and "other pharmacy" are not covered; and
 - (ii) Subcategory "nonprescription" is covered for inpatients only;
- (b) "Intravenous (IV) therapy," except subcategory "other IV therapy";
- (c) "Medical/surgical supplies and devices," except for the following subcategories:

- (i) "Take home supplies";
 - (ii) "Prosthetic devices";
 - (iii) "Oxygen - take home"; and
 - (iv) "Other supplies/devices."
 - (d) "Oncology," except subcategory "other oncology";
 - (e) "Respiratory services," except subcategory "other respiratory services";
 - (f) Subcategories "general classification" and "minor surgery" under the "operating room services" category;
 - (g) "Anesthesia," except subcategories "acupuncture" and "other anesthesia";
 - (h) "Blood storage and processing," except subcategory "other blood storage and processing";
 - (i) "Other imaging services," except subcategory "other image services";
 - (j) "Emergency room," except subcategory "other emergency room";
 - (k) "Pulmonary function," except subcategory "other pulmonary function";
 - (l) "Cardiology," except subcategory "other cardiology";
 - (m) "Magnetic resonance imaging (MRI)," except subcategory "other MRI";
 - (n) "Cast room," except subcategory "other cast room";
 - (o) "Recovery room," except subcategory "other recovery room";
 - (p) "Labor room/delivery," except for subcategories "circumcision" and "other labor room/delivery";
 - (q) "EKG/ECG (electrocardiogram)," except subcategory "other EKG/ECG";
 - (r) "EEG (electroencephalogram)," except subcategory "other EEG";
 - (s) "Gastrointestinal services," except subcategory "other gastroenteritis";
 - (t) "Treatment or observation room," except subcategory "other treatment room";
 - (u) "Lithotripsy," except subcategory "other lithotripsy"; and
 - (v) "Organ acquisition," except for subcategories "unknown donor" and "other organ."
- (2) Except for certain services, such as inpatient hospice services covered by MAA pursuant to other rules, the department shall cover the following revenue code categories and/or subcategories for inpatient hospitalizations only:
- (a) "Room and board - private, medical, or general," except subcategory "hospice";
 - (b) "Semi-private room and board" (two to four beds), except subcategory "hospice";
 - (c) "Nursery for newborns and premature babies";
 - (d) "Intensive care," except subcategory "post-ICU";
 - (e) "Coronary care," except subcategory "post-CCU";
 - (f) "Laboratory," except subcategory "renal patient (home)";
 - (g) "Laboratory pathological";
 - (h) "Radiology," both "diagnostic" and "therapeutic";
 - (i) "Nuclear medicine";
 - (j) "Physical therapy," "occupational therapy," and "speech-language therapy";
 - (k) "CT (computed tomographic) scans";
 - (l) "Operating room services," subcategories "organ transplant other than kidney" and "kidney transplant only";
 - (m) "Clinic," subcategory "chronic pain center" only;

(n) "Ambulance," subcategory "neonatal ambulance services (support crews)" only;

(o) "Other donor bank" category, except that subcategories "peripheral blood stem cell harvesting" and "reinfusion" are limited only to facilities approved by the medical assistance administration (MAA).

In addition to specifically excluded subcategories, the subcategory "other" in each category shall not be covered.

(3) Except for certain services, such as inpatient hospice services covered by MAA pursuant to other rules, the department shall cover the following revenue code categories for outpatient hospital services only:

(a) "Ambulatory surgical care";

(b) "Outpatient services";

(c) Subcategories "general classification" and "dental clinic," under "clinic";

(d) Subcategory "rural health clinic," under "free-standing clinic";

(e) "Drugs requiring specific identification," except covered only for certified kidney centers;

(f) "Hospice services";

(g) "Respite care";

(h) "Inpatient renal dialysis";

(i) "Hemodialysis - outpatient or home";

(j) "Peritoneal dialysis - outpatient or home";

(k) "Continuous ambulatory peritoneal dialysis - outpatient or home";

(l) "Continuous cycling peritoneal dialysis - outpatient or home";

(m) "Miscellaneous dialysis";

(n) Subcategories "education/training" and "weight loss," under the "other therapeutic services" category, except limited to facilities approved by MAA.

In addition to specifically excluded subcategories, the subcategory "other" in each category shall not be covered.

(4) The department shall cover the following revenue code categories and/or subcategories subject to the following specific limitations:

(a) The "private (deluxe)" and "room and board - ward" categories shall be reimbursed at the semi-private hospital room rates.

(b) All inpatient psychiatric services shall be subject to the policies and procedures of the mental health division, and reimbursed only to department-approved psychiatric facilities. See chapter 246-318 WAC. Inpatient psychiatric revenue codes include, but are not limited to:

(i) The subcategory "psychiatric" under all "room and board" categories;

(ii) The subcategory "psychiatric" under the "intensive care" category;

(iii) The "psychiatric/psychological treatments" category; and

(iv) The "psychiatric/psychological services" category.

(c) The department shall reimburse the subcategory "detoxification" under all room and board categories only to detoxification facilities approved by the division of alcohol and substance abuse.

(d) The subcategory "rehabilitation" under all "room and board" categories shall be reimbursed only to MAA-approved rehabilitation facilities.

(e) Only the subcategories "chemical-using pregnant women" and "administrative days" shall be covered in the "other room and board" category.

(f) Subcategory "nonprescription drugs" under the category "pharmacy" shall be covered for inpatient hospitalizations only. See WAC 388-550-1400 (1)(a)(ii). Certain exemptions apply for pregnant women as described in WAC 388-86-024 (2)(c). For coverage of nonprescription drugs, see WAC 388-530-110 and 388-530-1150.

(g) The subcategories "renal patient (home)" and "nonroutine dialysis" under category "laboratory" shall be reimbursed in the outpatient setting only to Medicare-certified kidney centers.

(h) Subcategory "chronic pain center" under the "clinic" category shall be reimbursed only to MAA-approved chronic pain treatment facilities.

(i) Only the subcategory "neonatal ambulance services (support crews)" under the "ambulance" category shall be covered, and only for inpatient hospitalizations.

(j) The category "drugs requiring specific identification" shall be reimbursed only for outpatients and only to Medicare-approved kidney centers.

(k) Subcategories "education/training" and "weight loss," under the "other therapeutic service" category, shall be reimbursed only to MAA-approved facilities.

NEW SECTION

WAC 388-550-1500 Noncovered revenue codes. (1) Revenue code subcategories titled "other" shall not be covered by the medical assistance administration (MAA), unless otherwise specified.

(2) The department shall not cover the following revenue code categories in either an inpatient or outpatient setting:

(a) "All-inclusive rate";

(b) "Other room and board," except as indicated in WAC 388-550-1400 (4)(e);

(c) "Leave of absence";

(d) "Not assigned" (all such categories);

(e) "Special charges";

(f) "Incremental nursing charge rate";

(g) "All-inclusive ancillary";

(h) "Pharmacy" subcategories for "take home" and "experimental drugs";

(i) "Durable medical equipment (other than renal)";

(j) "Blood" (and blood products);

(k) "Audiology";

(l) "Clinic," except as specified in WAC 388-550-1400 (3)(c);

(m) "Free-standing clinic," except as specified in WAC 388-550-1400 (3)(d);

(n) "Osteopathic services";

(o) "Ambulance," except as specified in WAC 388-550-1400 (4)(i);

(p) "Skilled nursing";

(q) "Medical social services";

(r) "Home health aide (home health)" and "other visits (home health)";

(s) "Units of service (home health)";

(t) "Oxygen (home health)";

(u) "Medicare/surgical supplies";

- (v) "Home IV therapy services";
- (w) "Preventive care services";
- (x) "Other diagnostic services";
- (y) "Professional fees" (all such categories); and
- (z) "Patient convenience items."

(3) The department shall not cover the following subcategories in the "other therapeutic service" category:

- (a) "General classification";
- (b) "Recreational therapy";
- (c) "Cardiac rehabilitation";
- (d) "Drug rehabilitation," except under the chemically-using pregnant (CUP) women program;
- (e) "Alcohol rehabilitation," except under the CUP program; and

(f) "Air fluidized support beds."

(4) The department shall not cover the following subcategories under the "free-standing clinic" category:

- (a) "General classification";
- (b) "Rural health - home";
- (c) "Family practice"; and
- (d) "Other clinic."

NEW SECTION

WAC 388-550-1600 Specific items/services not covered. The department shall not cover certain hospital items/services for any hospital stay including, but not limited to, the following:

- (1) Personal care items such as, but not limited to, slippers, toothbrush, comb, hair dryer, and make-up;
- (2) Telephone/telegraph services or television/radio rentals;
- (3) Medical photographic or audio/videotape records;
- (4) Crisis counseling;
- (5) Psychiatric day care;
- (6) Ancillary services, such as respiratory and physical therapy, performed by regular nursing staff assigned to the floor or unit;
- (7) Standby personnel and travel time;
- (8) Routine hospital medical supplies and equipment such as bed scales;
- (9) Handling fees and portable X-ray charges;
- (10) Room and equipment charges ("rental charges") for use periods concurrent with another room or similar equipment for the same client;
- (11) Cafeteria charges;
- (12) Services and supplies provided to nonpatients, such as meals and "father packs"; and
- (13) Standing orders. The department shall cover routine tests and procedures only if the department determines such services are medically necessary, according to the following criteria. The procedure or test:
 - (a) Is specifically ordered by the admitting physician or, in the absence of the admitting physician, the hospital staff having responsibility for the client (e.g., physician, advanced registered nurse practitioner, or physician assistant);
 - (b) Is for the diagnosis or treatment of the individual's condition; and
 - (c) Does not unnecessarily duplicate a test available or made known to the hospital which is performed on an outpatient basis prior to admission; or
 - (d) Is performed in connection with a recent admission.

NEW SECTION

WAC 388-550-1700 Hospital services—Prior approval. (1) Providers of hospital-related services to clients not enrolled with the department's managed care carriers shall obtain prior approval from the medical assistance administration (MAA) for hospital services requiring prior approval. For inpatient psychiatric admissions and inpatient treatment for alcohol and other substance abuse, see chapter 246-318 and 246-326 WAC respectively.

(2) The department shall require that for medical care clients not enrolled with the department's managed care carriers, providers receive prior approval from the department for the following hospital-related services:

(a) All nonemergent admissions to or planned inpatient hospital surgeries in nonparticipating hospitals in selective contracting areas;

(b) Inpatient detoxification, medical stabilization, and drug treatment for a pregnant Medicaid client as described under WAC 388-550-1100(3);

(c) Cataract surgery that does not meet requirements in WAC 388-86-030;

(d) The following surgical procedures, regardless of the diagnosis or place of service:

(i) Hysterectomies for clients forty-four years and younger;

(ii) Reduction mammoplasty; and

(iii) Surgical bladder repair.

(e) All physical medicine and rehabilitation (PM&R) inpatient hospital stays, even when provided by MAA-approved PM&R contract facilities (see WAC 388-550-2300);

(f) All outpatient magnetic resonance imaging and magnetic resonance angiography procedures;

(g) All nonemergent inpatient hospital transfers (see WAC 388-550-3600);

(h) All out-of-state non-emergent hospital stays;

(i) Hospital-related services as described in WAC 388-550-1800 when not provided in an MAA-approved facility; and

(j) Services in excess of the department's established limits.

(3) The department shall inform providers which diagnosis codes from the International Classification of Diseases, 9th Revision, Clinical Modification and procedure codes from physicians' current procedural terminology require prior authorization for nonemergent hospital admissions.

(4) When a client's hospitalization exceeds the number of days allowed by WAC 388-550-4300(2):

(a) The hospital shall, within sixty days after discharge, submit to MAA a request for authorization of the extra days with adequate medical justification, to include at a minimum the following:

(i) History and physical examination;

(ii) Social history;

(iii) Progress notes and doctor's orders for the entire length of stay;

(iv) Treatment plan/critical pathway; and

(v) Discharge summary.

(b) The department shall approve or deny a length of stay extension request within fifteen working days of receiving the request.

(5) The department shall require prior approval for out-of-state hospital admissions of clients not enrolled with department's managed care carriers, except for emergent hospitalizations. The department shall inform providers which codes from the current revision of ICD-9CM are designated as emergent diagnosis codes. The nature of the client's emergent medical condition must be fully documented in the client's hospital's records.

(6) The department shall not reimburse ambulance providers for ambulance transports in cases involving hospital transfers without prior authorization by the department.

(7) The department shall require that providers receive prior approval from the department for medical transportation to out-of-state treatment programs or services authorized by the department for clients not enrolled with the department's managed care carriers.

NEW SECTION

WAC 388-550-1750 Services requiring approval. (1) The department shall require that for medical services clients not enrolled with the department's managed care carriers, providers receive approval from the department for the following:

- (a) Hospital length-of-stay extensions, in order for the provider to receive payment for the additional hospital days;
 - (b) All hospital readmissions within seven days of discharge; and
 - (c) All hospitalizations billed under "miscellaneous diagnosis-related group (DRG)," four hundred sixty-eight.
- (2) Providers shall obtain approval for:
- (a) Length-of-stay extensions, during or immediately after the extension;
 - (b) Readmissions, immediately after the readmission; and
 - (c) Hospitalizations under "miscellaneous DRG," four hundred sixty-eight, immediately after the hospitalization.

NEW SECTION

WAC 388-550-1800 Services—Contract facilities. The department shall reimburse certain services without requiring prior authorization when such services are provided in medical assistance administration (MAA)-approved contract facilities. These services include, but are not limited to, the following:

- (1) All transplant procedures specified in WAC 388-550-1900(2);
- (2) Chronic pain management services, including outpatient evaluation and inpatient treatment, as described under WAC 388-550-2400;
- (3) Polysomnograms and multiple sleep latency tests for clients one year of age and older (allowed only in outpatient hospital settings), as described under WAC 388-550-6350;
- (4) Diabetes education (allowed only in outpatient hospital setting), as described under WAC 388-550-6400; and
- (5) Weight loss program (allowed only in outpatient hospital setting), as described under WAC 388-550-6450.

NEW SECTION

WAC 388-550-1900 Transplant coverage. (1) The department shall pay for transplant procedures only for eligible clients who:

- (a) Meet the criteria in WAC 388-550-2000; and
 - (b) Are not otherwise subject to a managed care plan.
- (2) The department shall cover the following transplant procedures:
- (a) Solid organs involving the heart, kidney, liver, lung, heart-lung, pancreas, kidney-pancreas;
 - (b) Bone marrow and peripheral stem cell (PSC);
 - (c) Skin grafts; and
 - (d) Corneal transplants.
- (3) For procedures covered under subsections (2)(a) and (b) of this section, the department shall pay facility charges only to those medical centers that meet the standards and conditions:

- (a) Established by the department; and
 - (b) Specified in WAC 388-550-2100 and 388-550-2200.
- (4) The department shall pay facility charges for skin grafts and corneal transplants to any qualified medical facility, subject to the limitations in this chapter.

(5) The department shall deem organ procurement fees included in the reimbursement to the transplant facility. The department may make an exception to this policy and reimburse these fees separately to a transplant facility when an eligible medical care client is covered by a third-party payer which will pay for the organ transplant procedure itself but not for the organ procurement.

(6) The department shall, without requiring prior authorization, pay for up to fifteen matched donor searches per client approved for a bone marrow transplant. The department shall require prior authorization for matched donor searches in excess of fifteen per bone marrow transplant client.

(7) The department shall not pay for experimental transplant procedures. In addition, the department shall consider experimental those services including, but not limited to, the following:

- (a) Transplants of three or more different organs during the same hospital stay;
- (b) Solid organ and bone marrow transplants from animals to humans; and
- (c) Transplant procedures used in treating certain medical conditions for which use of the procedure has not been generally accepted by the medical community or for which its efficacy has not been documented in peer-reviewed medical publications.

(8) The department shall pay for a solid organ transplant procedure only once per client's lifetime, except in cases of organ rejection by the client's immune system during the original hospital stay. The department shall cover bone marrow, PSC, skin grafts and corneal transplants whenever medically necessary.

(9) In reviewing coverage for transplant services, the department shall consider cost benefit analyses on a case-by-case basis.

NEW SECTION

WAC 388-550-2000 Medical criteria—Transplant services. (1) The department shall pay for transplant surgery in accordance with the provisions of this chapter for an eligible client who has:

(a) End-stage organ disease, except end-stage renal disease and diseases treatable with bone marrow or peripheral stem cell (PSC) transplants;

(b) A critical medical need for a transplant and a poor prognosis for survival without one, except for kidney, skin graft, or corneal transplants;

(c) Tried all other appropriate medical and surgical therapies that customarily yield both short and long term survival comparable to that of a transplant;

(d) Been identified by the transplant facility as a candidate for whom the transplant, as a therapy, has a high probability of a successful clinical outcome, defined as a better than sixty percent survival rate after one year; and

(e) Agreed to long-term adherence to a disciplined medical regimen.

(2) Medical care clients enrolled with the department's managed care carriers shall be subject to their respective carriers' criteria and policies.

(3) The department shall not cover transplant procedures for clients with the following medical conditions:

(a) An irreversible terminal state in which the client has had multi-organ system failure, is moribund, or on life support, defined as mechanical systems such as ventilators or heart-lung respirators which are used to supplement the normal autonomic functions of a person;

(b) Current active and incurable or metastatic malignancy within other organ systems;

(c) An active infection that will interfere with the client's recovery;

(d) Irreversible renal or hepatic disease that substantially affects longevity. MAA shall exempt from this criterion clients requesting a kidney, liver, bone marrow, PSC, skin graft or corneal transplant;

(e) Significant atherosclerotic vascular disease or atherosclerotic coronary disease that substantially affects longevity. MAA shall not apply this criterion to clients requesting a heart, bone marrow, PSC, skin graft or corneal transplant;

(f) Any other major irreversible disease likely to substantially limit life expectancy to three years or less;

(g) Inability to follow a drug regimen or maintain necessary therapies and/or other prescribed health care regimens;

(h) Ventilator dependence, except when used in short-term, acute situations. The department shall not consider ventilator dependence for transplants involving bone marrow, PSC, skin or cornea;

(i) Current use or history within the past year of alcohol or substance abuse and/or smoking, or failure to have abstained for long enough to indicate low likelihood of recidivism; and

(j) A history of behavior pattern or psychiatric illness that has not been assessed, treated or considered stable, that would likely lead to nonconformance or interference with a disciplined medical regimen.

(4) The department may deny coverage for corneal transplants for clients with an associated disease severe enough to prevent visual improvement, such as macular degeneration or diabetic retinopathy.

NEW SECTION

WAC 388-550-2100 Requirements—Transplant facilities. (1) The department shall require a transplant facility to meet the following requirements in order to be reimbursed for transplant services provided to medical care clients. The facility shall have:

(a) An approved certificate of need (CON) from the state department of health (DOH) for the type(s) of transplant procedure(s) to be performed, except that MAA shall not require CON approval for peripheral stem cell (PSC), skin graft and corneal transplant facilities;

(b) Approval from the United Network of Organ Sharing (UNOS) to perform transplants, except that MAA shall not require UNOS approval for PSC, skin graft and corneal transplant facilities; and

(c) Been approved by the department as a center of excellence transplant center for the specific organ(s) or procedure(s) the facility proposes to perform. An out-of-state transplant center shall be a Medicare-certified facility participating in that state's Medicaid program.

(2) The department shall consider a facility for approval as a transplant center of excellence when the facility submits to the department a copy of its DOH-approved CON for transplant services, or documentation that it has, at a minimum:

(a) Organ-specific transplant physicians for each organ or transplant team. The transplant surgeon and other responsible team members shall be experienced and board-certified or board-eligible practitioners in their respective disciplines, including, but not limited to, the fields of cardiology, cardiovascular surgery, anesthesiology, hemodynamics and pulmonary function, hepatology, hematology, immunology, oncology, and infectious diseases. The department shall consider this requirement met when the facility submits to the department a copy of its DOH-approved CON for transplant services;

(b) Component teams which are integrated into a comprehensive transplant team with clearly defined leadership and responsibility. Transplant teams shall include, but not be limited to:

(i) A team-specific transplant coordinator for each type of organ;

(ii) An anesthesia team available at all times;

(iii) A nursing service team trained in the hemodynamic support of the patient and in managing immunosuppressed patients;

(iv) Pathology resources for studying and reporting the pathological responses of transplantation;

(v) Infectious disease services with both the professional skills and the laboratory resources needed to discover, identify, and manage a whole range of organisms; and

(vi) Social services resources.

(c) An organ procurement coordinator;

(d) A method ensuring that transplant team members are familiar with transplantation laws and regulations;

- (e) An interdisciplinary body and procedures in place to evaluate and select candidates for transplantation;
- (f) An interdisciplinary body and procedures in place to ensure distribution of donated organs in a fair and equitable manner conducive to an optimal or successful patient outcome;
- (g) Extensive blood bank support;
- (h) Patient management plans and protocols;
- (i) Written policies safeguarding the rights and privacy of patients; and
- (j) Satisfied the annual volume and survival rates criteria for the particular transplant procedures performed at the facility, as specified in WAC 388-550-2200(2).

(3) In addition to the requirements of subsection (2) of this section, a facility being considered for approval as a transplant center of excellence shall submit a copy of its approval from the United Network for Organ Sharing (UNOS), or documentation showing that the facility:

- (a) Participates in the national donor procurement program and network; and
- (b) Systematically collects and shares data on its transplant program(s) with the network.
- (4) The department shall apply the following specific requirements to PSC transplant facilities:
 - (a) A PSC transplant facility may receive approval from the department to do PSC:
 - (i) Harvesting, if it has its own apheresis equipment which meets federal or American Association of Blood Banks (AABB) requirements;
 - (ii) Processing, if it meets AABB quality of care requirements for human tissue/tissue banking; and/or
 - (iii) Reinfusion, if it meets the criteria established by the Foundation for the Accreditation of Hematopoietic Cell Therapy.
 - (b) A hospital may purchase PSC processing and harvesting services from other department-approved processing providers.
 - (c) The department shall not reimburse a PSC transplant facility for AABB inspection and certification fees related to PSC transplant services.

NEW SECTION

WAC 388-550-2200 Transplant requirements—COE.

- (1) The department shall measure the effectiveness of transplant centers of excellence (COE) using the performance criteria in this section. Unless otherwise waived by the department, the department shall apply these criteria to a facility during both initial and periodic evaluations for designation as a transplant COE. The COE performance criteria shall include, but not be limited to:
- (a) Meeting annual volume requirements for the specific transplant procedures for which approved;
 - (b) Patient survival rates; and
 - (c) Relative cost per case.
- (2) A transplant COE shall meet or exceed annually the following applicable volume criteria for the particular transplant procedures performed at the facility, except for cornea transplants which do not have established minimum volume requirements. Annual volume requirements for transplant centers of excellence include:
- (a) Twelve or more heart transplants;

- (b) Ten or more lung transplants;
- (c) Ten or more heart-lung transplants;
- (d) Twelve or more liver transplants;
- (e) Twenty-five or more kidney transplants;
- (f) Eighteen or more pancreas transplants;
- (g) Eighteen or more kidney-pancreas transplants;
- (h) Ten or more bone marrow transplants; and
- (i) Ten or more peripheral stem cell (PSC) transplants.

Dual-organ procedures may be counted once under each organ and the combined procedure.

(3) A transplant facility within the state that fails to meet the volume requirements in subsection (1) of this section may submit a written request to the department for conditional approval as a transplant center of excellence. The department shall consider the minimum volume requirement met when the requestor submits an approved certificate of need for transplant services from the state department of health.

(4) An in-state facility granted conditional approval by the department as a transplant center of excellence shall meet the department's criteria, as established in this chapter, within one year of the conditional approval. The department shall automatically revoke such conditional approval for any facility which fails to meet the department's published criteria within the allotted one year period, unless:

(a) The facility submits a written request for extension of the conditional approval thirty calendar days prior to the expiration date; and

(b) Such request is granted by the department.

(5) A transplant center of excellence shall meet Medicare's survival rate requirements for the transplant procedure(s) performed at the facility.

(6) A transplant center of excellence shall submit to the department annually, at the same time the hospital submits a copy of its Medicare Cost Report (HCFA 2552 report) documentation showing:

(a) The numbers of transplants performed at the facility during its preceding fiscal year, by type of procedure; and

(b) Survival rates data for procedures performed over the preceding three years as reported on the United Network of Organ Sharing report form.

(7)(a) Transplant facilities shall submit to the department, within sixty days of the date of the facility's approval as a center of excellence, a complete set of the comprehensive patient selection criteria and treatment protocols used by the facility for each transplant procedure it has been approved to perform.

(b) The facility shall submit to the department updates to said documents annually thereafter, or whenever the facility makes a change to the criteria and/or protocols.

(c) If no changes occurred during a reporting period the facility shall so notify the department to this effect.

(8) The department shall evaluate compliance with the provisions of WAC 388-550-2100 (2)(d) and (e) based on the protocols and criteria submitted to the department by transplant centers of excellence in accordance with subsection (7) of this section. The department shall terminate a facility's designation as a transplant center of excellence if a review or audit finds that facility in noncompliance with:

(a) Its protocols and criteria in evaluating and selecting candidates for transplantation; and

(b) Distributing donated organs in a fair and equitable manner that promotes an optimal or successful patient outcome.

(9)(a) The department shall provide transplant centers of excellence it finds in noncompliance with subsection (8) of this section sixty days within which such centers may submit a plan to correct a breach of compliance;

(b) The department shall not allow the sixty-day option as stated in (a) of this subsection for a breach that constitutes a danger to the health and safety of clients as stated in WAC 388-87-005 (3)(d);

(c) Within six months of submitting a plan to correct a breach of compliance, a center shall report to the department showing:

(i) The breach of compliance has been corrected; or

(ii) Measurable and significant improvement toward correcting such breach of compliance.

(10) The department shall periodically review the list of approved transplant centers of excellence. The department may limit the number of facilities it designates as transplant centers of excellence or contracts with to provide services to medical care clients if, in the department's opinion, doing so would promote better client outcomes and cost efficiencies.

(11) The department shall reimburse department-approved centers of excellence for covered transplant procedures using any of the methods identified in chapter 388-550 WAC.

NEW SECTION

WAC 388-550-2400 Chronic pain management program. (1)(a) The department shall cover inpatient chronic pain management training to assist eligible clients to manage chronic pain.

(b) The department shall pay for only one inpatient hospital stay, up to a maximum of twenty-one days, for chronic pain management training per eligible client's lifetime.

(c) Refer to WAC 388-550-1700 (2)(i) and 388-550-1800 for prior authorization.

(2) The department shall reimburse approved chronic pain management facilities an all-inclusive per diem facility fee under the revenue code published in the department's chronic pain management fee schedule. MAA shall reimburse professional fees for chronic pain management services to performing providers in accordance with the department's fee schedule.

(3) The department shall not reimburse a contract facility for unrelated services provided during the client's inpatient stay for chronic pain management, unless the facility requested and received prior approval from the department for those services.

NEW SECTION

WAC 388-550-2500 Inpatient hospice services. (1) The department shall reimburse hospice agencies participating in the medical assistance program for general inpatient and inpatient respite services provided to clients in hospice care, when:

(a) The hospice agency coordinates the provision of such inpatient services; and

(b) Such services are related to the medical condition for which the client sought hospice care.

(2) Hospice agencies shall bill the department for their services using revenue codes. The department shall reimburse hospice providers a set per diem fee according to the type of care provided to the client on a daily basis.

(3) The department shall reimburse hospital providers directly pursuant to this chapter for inpatient care provided to clients in the hospice program for medical conditions not related to their terminal illness.

NEW SECTION

WAC 388-550-2600 Inpatient psychiatric services. For psychiatric hospitalizations, including involuntary admissions, see chapter 246-318 WAC.

NEW SECTION

WAC 388-550-2700 Substance abuse detoxification services. For hospital-based alcohol and/or drug detoxification services, see chapter 246-326 WAC.

NEW SECTION

WAC 388-550-2750 Hospital discharge planning services. For discharge planning service requirements, see chapter 246-318 WAC.

NEW SECTION

WAC 388-550-2800 Establishing inpatient payment rates. (1) Inpatient hospital services shall be reimbursed using the methodologies identified by the department in its approved state plan. In determining a hospital's basic payment rate, the department shall use either:

(a) A negotiated conversion factor, for hospitals participating in the federally waived Medicaid hospital selective contracting program;

(b) A cost-based conversion factor, for hospitals not located in selective contracting areas and for hospitals and/or services exempt from selective contracting; or

(c) The ratio of cost to charge, for hospitals and services exempt from conversion factor-based payment methods, as described in WAC 388-550-4200 and WAC 388-550-4300.

(2) As required by 42 CFR § 447.271, the department's total annual aggregate Medicaid payments to each hospital for inpatient hospital services provided to Medicaid clients shall not exceed the hospital's customary charges to the general public for the services. The department will recoup amounts of total annual aggregate Medicaid payments in excess of such charges.

(3) The department's annual aggregate payments for inpatient hospital services, including annual aggregate payments to state-operated hospitals, shall not exceed amounts that can reasonably be estimated would have been paid under the Medicare payment principles.

(4) Reimbursement to a hospital shall not increase by more than the amount allowed under 42 U.S.C. Section 1385x (v)(1)(O) as a result of a change of ownership.

(5) Hospitals participating in the medical assistance program shall submit annually to the department:

(a) A copy of their HCFA 2552 uniform cost report; and

(b) A disproportionate share hospital application with the department. Participating providers shall permit the department to conduct periodic audits of their financial and statistical records.

(6) The reports referred to in subsection (5) of this section shall be completed in accordance with Medicare cost reporting requirements, the provisions of this chapter, and such instructions as may be issued by the department from time to time. Unless federally or state-regulated or instructed by the department, providers shall follow generally accepted accounting principles.

NEW SECTION

WAC 388-550-2900 Payment limits—Inpatient hospital services. (1) The department shall pay covered inpatient hospital services only to:

(a) General hospitals that meet the definition in RCW 70.41.020;

(b) Inpatient psychiatric facilities and alcohol or drug treatment centers approved by the department; and

(c) Out-of-state hospital providers subject to conditions specified in WAC 388-550-6700.

(2) The department shall not pay for hospital care and/or services provided to a client enrolled with a department-contracted managed care carrier, unless the medical assistance administration (MAA) specifically authorized the provision of and payment for a service not covered by the health carrier's capitation contract with the department but covered under the client's medical assistance program.

(3) The department shall not pay a hospital for care or services provided to a client enrolled in the hospice program, except as provided under WAC 388-550-2500(3).

(4) The department shall not pay hospitals for inpatient ancillary services in addition to the diagnosis-related group (DRG) payment. The DRG payment includes ancillary services which include, but are not limited to, the following:

(a) Laboratory services;

(b) Diagnostic X-ray and other imaging services, including, but not limited to, magnetic resonance imaging, magnetic resonance angiography, computerized axial tomography, and ultrasound;

(c) Drugs and pharmacy services;

(d) Respiratory therapy and related services;

(e) Physical therapy and related services;

(f) Occupational therapy;

(g) Speech therapy and related services;

(h) Durable medical equipment and medical supplies, including infusion equipment and supplies;

(i) Prosthetic devices used during the client's hospital stay or permanently implanted during the hospital stay, such as artificial heart or replacement hip joints; and

(j) Service charges for handling and processing blood or blood derivatives.

(5) Neither the department nor the client shall be responsible for payment for additional days of hospitalization when:

(a) A client exceeds the professional activities study (PAS) length of stay (LOS) limitations; and

(b) The provider has not obtained department approval for the LOS extension, as specified in WAC 388-550-1700 (3)(a).

(6) The LOS limit for a hospitalization shall be the seventy-fifth percentile of the PAS length of stay for that diagnosis code or combination of codes, published in the PAS Length of Stay-Western Region edition, as periodically updated.

(7) Neither the department nor the client shall be responsible for payment of elective or nonemergent inpatient services included in the department's selective contracting program and received in a nonparticipating hospital in a selective contracting area (SCA) unless the provider received prior approval from the department as required by WAC 388-550-1700 (2)(a). The client, however, may be held responsible for payment of such services if he or she contracts in writing with the hospital at least seventy-two hours in advance of the hospital admission to be responsible for payment. See WAC 388-550-4600, Selective contracting program.

(8) The department shall consider hospital stays of twenty-four hours or less short stays, and shall not pay such stays under the DRG methodology, except that stays of twenty-four hours or less involving the following situations shall be paid under the DRG system:

(a) Death of a client;

(b) Obstetrical delivery;

(c) Initial care of a newborn; or

(d) Transfer of a client to another acute care hospital.

(9)(a) Under the ratio of costs-to-charge (RCC) method, the department shall not pay for inpatient hospital services provided more than one day prior to the date of a scheduled or elective surgery, nor shall these services be charged to the client.

(b) Under the DRG method, the department shall deem all services provided prior to the day before a scheduled or elective surgery included in the hospital's DRG payment for the case.

(c) The department shall not count toward the threshold for hospital outlier status:

(i) Any charges for extra days of inpatient stay prior to a scheduled or elective surgery; and

(ii) The associated services provided during those extra days.

(10) The department shall apply the following rules to RCC cases and high-cost DRG outlier cases for costs over the high-cost outlier threshold:

(a) The department shall pay hospitals for accommodation costs at the multiple occupancy rate even when a private room is provided to the client. The department shall pay accommodation costs at the semi-private or ward room rate, consistent with the type of accommodations provided.

(b) The department shall cover hospital stat charges only for specific laboratory procedures determined and published by the department as qualified stat procedures. The department shall not automatically treat tests generated in the emergency room as justifying a stat order.

(c) The department shall reimburse hospitals for special care charges only when:

(i) The hospital has a department of health (DOH) or Medicare-qualified special care unit;

(ii) The special care service being billed, such as intensive care, coronary care, burn unit, psychiatric intensive care, or other special care, was provided in the special care unit;

(iii) The special care service provided is the kind of service for which the special care unit has been DOH- or Medicare-qualified; and

(iv) The client's medical condition required the care be provided in the special care unit.

(11) The department shall determine its actual payment for a hospital admission by deducting from the basic hospital payment those charges which are the client's responsibility, referred to as spend-down, or a third party's liability.

(12) The department shall reduce reimbursement rates to hospitals for services provided to MI/medical care services clients according to the individual hospital's ratable and/or equivalency factors, as provided in WAC 388-550-4800.

(13) The department shall pay for the hospitalization of a client who is eligible for Medicare and Medicaid only when the client has exhausted his or her Medicare part A benefits, including the nonrenewable lifetime hospitalization reserve of sixty days.

NEW SECTION

WAC 388-550-3000 DRG payment system. (1) Except where otherwise specified, the department shall use the diagnosis-related group (DRG) system, which categorizes patients into clinically coherent and homogenous groups with respect to resource use, as the reimbursement method for inpatient hospital services.

(2) The department shall periodically evaluate which all-patient grouper (AP-DRG) version to use.

(3)(a) The department shall calculate the DRG payment for a particular hospital by multiplying the assigned DRG's relative weight, as determined in WAC 388-550-3100, for that admission by the hospital's cost-based conversion factor, as determined in WAC 388-550-3450.

(b) If the hospital is participating in the selective contracting program, the department shall multiply the DRG relative weight for the admission by the hospital's negotiated conversion factor, as specified in WAC 388-550-4600(4).

(4)(a) The department shall pay for a hospital readmission within seven days of discharge for the same client when department review concludes the readmission did not occur as a result of premature hospital discharge.

(b) When a client is readmitted to the same hospital within seven days of discharge, and department review concludes the readmission resulted from premature hospital discharge, the department shall treat the previous and subsequent admissions as one hospital stay and pay a single DRG for the combined stay.

(5) If two different DRG assignments are involved in a readmission as described in subsection (4) of this section, the department shall review the hospital's records to determine the appropriate reimbursement.

(6) The department shall recognize Medicare's DRG payment for a Medicare-Medicaid dually eligible client to be payment in full.

(a) The department shall pay the Medicare deductible and co-insurance related to the inpatient hospital services provided to clients eligible for Medicare and Medicaid.

(b) The department shall ensure total Medicare and Medicaid payments to a provider for such client does not exceed Medicare's maximum allowable charges.

(c) The department shall pay for those allowed charges beyond the threshold using the outlier policy described in WAC 388-550-3700 in cases where:

(i) Such client's Medicare part A benefits including lifetime reserve days are exhausted; and

(ii) The Medicaid outlier threshold status is reached.

NEW SECTION

WAC 388-550-3100 Calculating DRG relative weights. (1) The department shall set Washington Medicaid-specific diagnosis-related group (DRG) relative weights, as follows:

(a) The department shall classify Washington Medicaid hospital admissions data and the hospital admissions data in the Washington state department of health's comprehensive hospital abstract reporting system (CHARS), using the all-patient grouper (AP-DRG).

(b) The department shall test each DRG statistically for adequacy of sample size to ensure that relative weights meet acceptable reliability and validity standards.

(c) The department shall establish relative weights from Washington Medicaid hospital admissions data. These relative weights may be stable or unstable.

(d) The department shall establish relative weights from CHARS-derived data which include Medicaid data. These relative weights may be stable or unstable.

(e) The department shall test the stability of Washington Medicaid relative weights established in subsection (1)(c) of this section using the null hypothesis test at seventy-five percent confidence interval. The department shall accept as stable and adopt those Washington Medicaid relative weights that pass the null hypothesis test.

(f) The department shall test the stability of CHARS-derived relative weights established in subsection (1)(d) of this section using the same procedure as in subsection (e) of this section. The department shall replace unstable Washington Medicaid relative weights with stable CHARS-derived relative weights.

(g) The department shall replace remaining unstable Washington Medicaid relative weights with New York proxy relative weights. For the purposes of this chapter, remaining unstable Washington Medicaid relative weights are those that fail the null hypothesis test and for which there are no stable CHARS-derived relative weight replacements.

(2) Using ratios with a Washington Medicaid relative weight as base, the department shall:

(a) Standardize the relative weights by adjusting the CHARS and New York proxy relative weights; and

(b) Assure all Medicaid stable and proxy weights equal a statement case mix of 1.0.

NEW SECTION

WAC 388-550-3150 Base period costs and claims data. (1) The department shall set a hospital's cost-based conversion factor using base period cost data from its Medicare cost report (Form HCFA 2552) for its fiscal year corresponding with the base period.

(2) The department shall use in rate-setting only base period cost data that have been desk reviewed and/or field audited by the Medicare intermediary.

(3) The department shall, to the extent feasible, factor out of a hospital's base period cost data nonallowable hospital charges associated with the items/services listed in WAC 388-550-1600(1) before calculating the hospital's conversion factor.

(4) The department shall use the figures for total costs, capital costs, and direct medical education costs from a hospital's HCFA 2552 report in calculating that hospital's allowable costs for each of the thirty-eight categories of cost/revenue centers, listed in subsections (5) and (6) below, used to categorize Medicaid claims.

(5) The department shall use nine categories to assign a hospital's accommodation costs and days of care. These accommodation categories are:

- (a) Routine;
- (b) Intensive care;
- (c) Intensive care-psychiatric;
- (d) Coronary care;
- (e) Nursery;
- (f) Neonatal intensive care unit;
- (g) Alcohol/substance abuse;
- (h) Psychiatric; and
- (i) Oncology.

(6) The department shall use twenty-nine categories to assign ancillary costs and charges. These ancillary categories are:

- (a) Operating room;
 - (b) Recovery room;
 - (c) Delivery/labor room;
 - (d) Anesthesiology;
 - (e) Radiology-diagnostic;
 - (f) Radiology-therapeutic;
 - (g) Radioisotope;
 - (h) Laboratory;
 - (i) Blood storage;
 - (j) Intravenous therapy;
 - (k) Respiratory therapy;
 - (l) Physical therapy;
 - (m) Occupational therapy;
 - (n) Speech pathology;
 - (o) Electrocardiography;
 - (p) Electroencephalography;
 - (q) Medical supplies;
 - (r) Drugs;
 - (s) Renal dialysis;
 - (t) Ancillary oncology;
 - (u) Cardiology;
 - (v) Ambulatory surgery;
 - (w) Computerized tomography scan/magnetic resonance imaging;
 - (x) Clinic;
 - (y) Emergency;
 - (z) Ultrasound;
 - (aa) Neonatal intensive care unit transportation;
 - (bb) Gastrointestinal laboratory; and
 - (cc) Miscellaneous.
- (7) The department shall:
- (a) Extract from the Medicaid Management Information System all Medicaid paid claims data for each hospital's base year;

(b) Assign line item charges from the paid hospital claims to the appropriate accommodation and ancillary cost center categories; and

(c) Use the cost center categories to apportion Medicaid costs.

NEW SECTION

WAC 388-550-3200 Medicaid cost proxies. (1) For cases in which a hospital has Medicaid charges (claims) for certain accommodation or ancillary cost centers which are not separately reported on its Medicare cost report, the department shall establish cost proxies to estimate such costs in order to ensure recognition of Medicaid related costs.

(2) The department shall develop per diem proxies for accommodation cost centers using the median value of the hospital's per diem cost data within the affected hospital peer group.

(3) The department shall develop ratio of cost-to-charge (RCC) proxies for ancillary cost centers using the median value of the hospital's RCC data within the affected hospital peer group.

NEW SECTION

WAC 388-550-3250 Indirect medical education costs.

(1) For a hospital with a graduate medical education program, the department shall remove indirect medical education-related costs from the aggregate operating and capital costs of each hospital in the peer group before calculating a peer group's cost cap.

(2) To arrive at indirect medical education costs for each component, the department shall:

(a) Multiply Medicare's indirect cost factor of 0.579 by the ratio of the number of interns and residents in the hospital's approved teaching programs to the number of hospital beds; and

(b) Multiply the product obtained in subsection (2)(a) of this section by the hospital's operating and capital components.

(3) After the peer group's cost cap has been calculated, the department shall add back to the hospital's aggregate costs its indirect medical education costs. See WAC 388-550-3450(6).

NEW SECTION

WAC 388-550-3300 Hospital peer groups and cost caps. (1) For rate-setting purposes the department shall group hospitals into peer groups and establish cost caps for each peer group. The department shall set hospital reimbursement rates at levels that recognize the cost of reasonable, efficient, and effective providers.

(2) The department shall use the Washington state department of health's (DOH) four hospital peer groupings for rate-setting purposes. The four peer groups are:

- (a) Group A, rural hospitals;
- (b) Group B, urban hospitals without medical education programs;
- (c) Group C, urban hospitals with medical education program; and
- (d) Group D, specialty hospitals or other hospitals not easily assignable to the other three groups.

(3) The department shall use a cost cap at the seventieth percentile for a peer group.

(a) The department shall cap at the seventieth percentile the costs of hospitals in peer groups B and C whose costs exceed the seventieth percentile for their peer group.

(b) The department shall exempt peer group A hospitals from the cost cap because they are paid under the ratio of cost-to-charge methodology.

(c) The department shall exempt peer group D hospitals from the cost cap because they are specialty hospitals without a common peer group on which to base comparisons.

(4) The department shall calculate a peer group's cost cap based on the hospitals' base period cost after subtracting:

(a) Indirect medical education costs, as determined in WAC 388-550-3250(2), from the aggregate operating and capital costs of each hospital in the peer group; and

(b) The cost of outlier cases from the aggregate costs in accordance with WAC 388-550-3350(1).

(5)(a) The department shall use the lesser of each individual hospital's calculated aggregate cost or the peer group's seventieth percentile cost cap as the base amount in calculating the individual hospital's adjusted cost-based conversion factor.

(b) After the peer group cost cap is calculated, the department shall add back to the individual hospital's base amount its indirect medical education costs and appropriate outlier costs, as determined in WAC 388-550-3350(2).

(6) The department shall recognize in its rate-setting process changes in peer group status as a result of DOH approval or recommendation. However, in cases where corrections or changes in individual hospitals' base-year cost or peer group assignment occur after peer group cost caps are calculated, the department shall update the peer group cost caps involved only if the change in the individual hospital's base-year cost or peer group assignment would result in a five percent or greater change in the seventieth percentile of costs calculated for its peer group.

NEW SECTION

WAC 388-550-3350 Outlier costs. (1)(a) The department shall remove the cost of low- and high-cost outlier cases from individual hospitals' aggregate costs before calculating the peer group cost cap.

(b) After this initial step, all subsequent calculations involving outliers in subsections (2) through (5) of this section pertain only to high-cost outliers.

(c) For a definition of outliers see WAC 388-550-1050, Definitions.

(2) After an individual hospital's base period costs and its peer group cost cap are determined, the department shall add the individual hospital's indirect medical education costs and an outlier cost adjustment back to:

(a) The lesser of the hospital's calculated aggregate cost; or

(b) The peer group's seventieth percentile cost cap.

(3) The outlier cost adjustment is determined as follows to reduce the original high-cost outlier amount in proportion to the reduction in the hospital's base period costs as a result of the capping process:

(a) If the individual hospital's aggregate operating, capital, and direct medical education costs for the base period are less than the seventieth percentile costs for the peer group, the entire high-cost outlier amount is added back.

(b) A reduced high-cost outlier amount is added back if:

(i) The individual hospital's aggregate base period costs are higher than the seventieth percentile for the peer group; and

(ii) The hospital is capped at the seventieth percentile.

(iii) The amount of the outlier added back is determined by multiplying the original high-cost outlier amount by the percentage obtained when the hospital's final cost cap, which is the peer group's seventieth percentile cost, is divided by its uncapped base period costs, as determined in WAC 388-550-3300(4).

(4) The department shall pay high-cost outlier claims from the outlier set-aside pool. The department shall calculate an individual hospital's high-cost outlier set-aside as follows:

(a) For each hospital, the department extracts utilization and paid claims data from the Medicaid Management Information System (MMIS) for the most recent twelve-month period for which the department estimates the MMIS has complete payment information.

(b) Using the data in (a) of this subsection, the department determines the projected annual amount above the high-cost DRG outlier threshold that the department paid to each hospital.

(c) The department's projected high-cost outlier payment to the hospital determined in (b) of this subsection is divided by the department's total projected annual DRG payments to the hospital to arrive at a hospital-specific high-cost outlier percentage. This percentage becomes the hospital's outlier set-aside factor.

(5) The department shall use the individual hospital's outlier set-aside factor to reduce the hospital's CBCF by an amount that goes into a set-aside pool to pay for all high-cost outlier cases during the year. The department shall fund the outlier set-aside pool on hospitals' prior high-cost outlier experience. No cost settlements shall be made to hospitals for outlier cases.

NEW SECTION

WAC 388-550-3400 Case-mix index. (1)(a) The department shall adjust hospital costs for case mix under the diagnosis-related group (DRG) payment systems.

(b) The department shall calculate a case-mix index (CMI) for each individual hospital to measure the relative cost for treating Medicaid cases in a given hospital.

(2) The department shall calculate the CMI for each hospital using Medicaid admissions data from the individual hospital's base period cost report, as described in WAC 388-550-3150. The hospital-specific CMI is calculated as follows:

(a) The department shall multiply the number of Medicaid admissions to the hospital for a specific DRG by the relative weight for that DRG. The department shall repeat this process for each DRG billed by the hospital.

(b) The department shall add together the products in (a) of this subsection for all of the Medicaid admissions to the hospital in the base year.

(c) The department shall divide the sum obtained in (b) of this subsection by the corresponding number of Medicaid hospital admissions.

(d) Example: If the average case mix index for a group of hospitals is 1.0, a CMI of 1.0 or greater for a hospital in that group means that the hospital has treated a mix of patients in the more costly DRGs. A CMI of less than 1.0 indicates a mix of patients in the less costly DRGs.

(3) The department shall recalculate each hospital's case mix index periodically, but no less frequently than each time rebasing is done.

NEW SECTION

WAC 388-550-3450 Payment method—CBCF rate calculation. (1)(a) The department shall use each hospital's base period cost data to calculate the hospital's total operating, capital, and direct medical education costs for each of the nine accommodation categories described in WAC 388-550-3150(5).

(b) The department shall divide operating, capital, and direct medical education costs by total hospital days per category to arrive at a per day accommodation cost.

(c) The department shall multiply the per day accommodation cost by the total Medicaid days to arrive at total Medicaid accommodation costs per category for the three components.

(2)(a) The department shall also use the base period cost data to calculate total operating, capital and direct medical education costs for each of the hospital's twenty-nine ancillary categories.

(b) The department shall divide these costs by total charges per category to arrive at a cost-to-charge ratio per ancillary category.

(c) The department shall multiply these cost-to-charge ratios by Medicaid charges per category, as tracked by the Medicaid Management Information System (MMIS), to arrive at total Medicaid ancillary costs per category for the three components.

(3) The department shall combine Medicaid accommodation and ancillary costs to derive the hospital's operating, capital and direct medical education components for the base year. The department shall divide these components' combined total will be divided by the number of Medicaid cases during the base year to arrive at an average cost per DRG admission for the hospital.

(4) The department shall adjust the average cost per admission for each component to a common fiscal year end using the appropriate McGraw-Hill Data Resources, Inc., (DRI) Prospective Payment System (PPS)-Type Hospital Market Basket update. The department shall standardize these three admission cost components by dividing the average cost by the hospital's case-mix index.

(5)(a) For hospitals with medical education programs, the department shall remove the indirect medical education costs from operating and capital costs before the peer group cost cap is set.

(b) The department shall also remove the cost of outlier cases in accordance with WAC 388-550-3350(1).

(c) For hospitals in peer group B and C, the department shall set aggregate costs for the operating, capital, and direct medical education components at the lesser of hospital-specific aggregate cost or the peer group cost cap.

(6) The department shall add to the lesser of the hospital-specific aggregate cost or the peer group cost cap determined in subsection (5) of this section:

(a) The individual hospital's indirect medical education costs, as determined in WAC 388-550-3250(2); and

(b) An outlier cost adjustment in accordance with WAC 388-550-3350(2).

(7)(a) The department shall multiply the sum obtained in subsection (6) of this section by the DRI PPS-type hospital market basket update for the period January 1 of the year after the base year through September 30 of the rebase year.

(b) The department shall then reduce the product obtained in (a) of this subsection by the outlier set-aside percentage determined in accordance with WAC 388-550-3350(3) to arrive at the hospital's adjusted cost-based conversion factor for July 1 of the rebase year.

(8) The department shall multiply the hospital's adjusted cost-based conversion factor determined in subsection (7) of this section by the applicable DRG relative weight to calculate the DRG payment for each admission.

NEW SECTION

WAC 388-550-3500 Inflation adjustments. (1) Effective on October 1 of each year, the department shall adjust all cost-based conversion factors for inflation for the federal fiscal year October 1 through September 30.

(2) The department shall use as annual inflation factor the prospective payment system (PPS)-type hospital market-basket index factor from the most recent McGraw-Hill Data Resources, Inc., (DRI) forecast.

(3) The department shall consider adjustments to negotiated conversion factors according to the terms of the individual hospital's contract.

NEW SECTION

WAC 388-550-3600 Payment—Hospital transfers. The department shall apply the following payment rules when a client is transferred from one hospital to another:

(1) The department shall deny payment to a hospital that transfers a nonemergent case to another hospital without the department's prior approval.

(2) The department shall pay a hospital transferring a client to another acute care hospital the lesser of:

(a) A per diem rate multiplied by the number of medically necessary days at the transferring hospital. The department shall determine the per diem rate by dividing the hospital's diagnosis-related group (DRG) payment amount for the appropriate DRG by that DRG's average length of stay; or

(b) The appropriate DRG payment.

(3) The department shall use the hospital's midnight census to determine the number of days a client stayed in the transferring hospital prior to the transfer. The department shall use the medical assistance administration's length of stay data to determine the number of medically necessary days for a hospital stay.

(4) The department shall pay the hospital that ultimately discharges the client to any residence other than a hospital (e.g., home, nursing facility, etc.) the full DRG payment. The department shall apply the outlier payment methodology if a transfer case qualifies as a high- or low-cost outlier.

(5) The department shall not pay a discharging hospital any additional amounts as a transferring hospital if it transfers a client to another hospital which subsequently sends the client back to the original hospital from which the client is discharged.

(6)(a) The extent of the department's payment to the discharging hospital shall be the full DRG payment.

(b) The department shall pay the intervening hospital a per diem payment based on the method described in subsection (2) of this section.

NEW SECTION

WAC 388-550-3700 DRG outliers and administrative day rates. (1) The department shall calculate high-cost diagnosis-related group (DRG) outlier payments for qualifying cases as follows:

(a) To qualify as a DRG high-cost outlier, the allowed charges for the case must exceed a threshold of three times the applicable DRG payment or twenty-eight thousand dollars, whichever is greater.

(b) Reimbursement for high-cost outlier cases other than those in subsections (1)(c) and (d) of this section shall be the applicable DRG payment amount, plus seventy-five percent of the hospital's ratio of cost-to-charge (RCC) ratio applied to the allowed charges exceeding the outlier threshold.

(c) Reimbursement for psychiatric high-cost outliers for DRGs 424-432 shall be at the applicable DRG rate plus hundred percent of the hospital RCC applied to the allowed charges exceeding the outlier threshold.

(d) Reimbursement for high-cost outlier cases at in-state children's hospitals shall be the applicable DRG payment amount, plus eighty-five percent of the hospital's RCC applied to the allowed charges exceeding the outlier threshold.

(2) The department shall calculate low-cost DRG outlier payments for qualifying cases as follows:

(a) To qualify as a DRG low-cost outlier, the allowed charges for the case shall be less than or equal to ten percent of the applicable DRG payment or four hundred dollars, whichever is greater.

(b) The department's reimbursement for low-cost DRG outlier claims shall be the allowed charges multiplied by the hospital's RCC.

(3) The department shall pay hospitals an all-inclusive administrative day rate for those days of hospital stay in which a client no longer needs an acute inpatient level of care, but is not discharged because an appropriate noninpatient hospital placement is not available.

(a) The department shall set reimbursement for administrative days at the statewide average Medicaid nursing facility per diem rate. The administrative day rate shall be adjusted annually effective October 1.

(b) Ancillary services shall not be reimbursed during administrative days.

(c) For a DRG payment case, the department shall not pay administrative days until the case exceeds the high-cost outlier threshold for that case.

(d) For DRG-exempt cases, the department shall identify administrative days during the length of stay review process after the client's discharge from the hospital.

(e) If the hospital admission is solely for a stay until an appropriate sub-acute placement can be made, the department shall reimburse the hospital at the administrative day per diem rate from the date of admission.

(4) The department shall make day outlier payments to hospitals, in accordance with section 1923 (a)(2)(C) of the Social Security Act, for exceptionally long-stay clients. A hospital shall be eligible for the day outlier payment if it meets all of the following criteria:

(a) The hospital is a disproportionate share (DSH) hospital and the client served is under the age of six, or the hospital may not be a DSH hospital but the client served is a child under age one;

(b) The payment methodology for the admission is DRG;

(c) The charge for the hospitalization is below the high-cost outlier threshold (three times the DRG rate or twenty-eight thousand dollars, whichever is greater); and

(d) The client's length of stay is over the day outlier threshold for the applicable DRG. The day outlier threshold is defined as the number of an average length of stay for a discharge (for an applicable DRG), plus twenty days.

(5) The department shall base the day outlier payment on the number of days exceeding the day outlier threshold, multiplied by the administrative day rate.

(6) The department's total reimbursement for day outlier claims shall be the applicable DRG payment plus the day outlier or administrative days payment.

(7) Day outliers shall only be paid for cases that do not reach high-cost outlier status. A client's claim shall be either a day outlier or a high-cost outlier, but not both.

NEW SECTION

WAC 388-550-3800 Rebasing and recalibration. (1) The department shall rebase the Medicaid payment system periodically using each hospital's cost report for its fiscal year that ends during the calendar year designated by the department to be used for each update.

(2) The department shall recalibrate diagnosis-related group weights periodically, as described in WAC 388-550-3100, but no less frequently than each time rebasing is done. The department shall make recalibrated weights effective July 1 of that year.

NEW SECTION

WAC 388-550-3900 Border area hospitals payment method. (1) Under the diagnosis-related group (DRG) payment method, the department shall calculate the cost-based conversion factor (CBCF) of a border area hospital as defined in WAC 388-550-1050, in accordance with WAC 388-550-3450.

(a) For a border area hospital with insufficient Medicare cost report (HCFA Form 2552) data, the department shall assign a CBCF based on the peer group average final conversion factor for its Washington hospital peer group.

(b) The department shall include in this average final conversion factor all adjustments to the CBCF, including the outlier set-aside factor described in WAC 388-550-3350(3).

(2) Under the ratio of cost-to-charge (RCC) payment method, the department shall calculate a border area hospital's RCC in accordance with WAC 388-550-4500. For a border area hospital with insufficient Medicare cost report (HCFA Form 2552) data, the department shall assign an RCC based on the weighted average of the RCC ratios for in-state Washington hospitals.

NEW SECTION

WAC 388-550-4000 Out-of-state hospitals payment method. The department shall pay out-of-state hospitals the lesser of billed charges or the amount calculated using the weighted average of ratio of cost-to-charge ratios for in-state Washington hospitals multiplied by the allowed charges for medically necessary services.

NEW SECTION

WAC 388-550-4100 New hospitals payment method. (1) For rate-setting purposes, the department shall consider as a new hospital an entity which began services after the most recent base period used for calculating cost-based conversion factors (CBCFs).

(2) The department shall base a new hospital's cost-based rates on the peer group average final conversion factor for its Washington hospital peer group. The department shall include in this average final conversion factor all adjustments to the CBCF, including the outlier set aside factor described in WAC 388-550-3350(3).

(3) The department shall base a new hospital's ratio of cost-to-charge (RCC) rates on the statewide weighted average RCC rate.

(4) The department shall not consider a change in ownership as constituting creation of a new hospital.

NEW SECTION

WAC 388-550-4200 Change in hospital ownership. (1) For purposes of this section, a change in hospital ownership may involve one or more, but is not limited to, the following events:

(a) A change in the composition of the partnership;
 (b) A sale of an unincorporated sole proprietorship;
 (c) The statutory merger or consolidation of two or more corporations;

(d) The leasing of all or part of a provider's facility if the leasing affects utilization, licensure, or certification of the provider entity;

(e) The transfer of a government-owned institution to a governmental entity or to a governmental corporation;

(f) Donation of all or part of a provider's facility to another entity if the donation affects licensure or certification of the provider entity;

(g) Disposition of all or some portion of a provider's facility or assets through sale, scrapping, involuntary conversion, demolition or abandonment if the disposition affects licensure or certification of the provider entity; or

(h) A change in the provider's federal identification tax number.

(2) A hospital shall notify the department in writing ninety days prior to the date of an expected change in the hospital's ownership, but in no case later than thirty days after the change in ownership takes place.

(3) When a change in a hospital's ownership occurs, the department shall set the new provider's cost-based conversion factor (CBCF) at the same level as the prior owner's, except as provided in subsection (4) below.

(4) The department shall set for a hospital formed as a result of a merger:

(a) A blended CBCF based on the old hospitals' rates, proportionately weighted by admissions for the old hospitals; and

(b) An RCC rate determined by combining the old hospitals' cost reports and following the process described in WAC 388-550-4500.

(5) The department shall recapture depreciation and acquisition costs as required by section 1861 (V)(1)(0) of the Social Security Act.

NEW SECTION

WAC 388-550-4300 Payment—Exempt hospitals. (1) The department shall exempt the following hospitals from the diagnosis-related group (DRG) payment method:

(a) Peer group A hospitals, as defined in WAC 388-550-3300(2);

(b) Rehabilitation units: Rehabilitation services provided in specifically identified rehabilitation hospitals and designated rehabilitation units of general hospitals. The department shall use the same criteria employed by the Medicare program to identify exempt hospitals and designated distinct part rehabilitation units;

(c) Out-of-state hospitals: Those facilities located outside of Washington and outside designated border areas as described in WAC 388-501-0175. The department shall pay these hospitals according to WAC 388-550-4000; and

(d) Military hospitals: Military hospitals may individually elect to get reimbursed a negotiated per diem rate, or the DRG or RCC reimbursement method. The department shall exempt military hospitals from the DRG payment method if no other specific arrangements have been made.

(2) The department shall limit inpatient hospital stays in hospitals identified in subsection (1) above to the number of days established at the seventy-fifth percentile in the current edition of the publication, "Length of Stay by Diagnosis and Operation, Western Region," unless:

(a) The department has a prior arrangement for a specified length of stay; or

(b) The stay is for chemical dependency treatment which is subject to WAC 388-550-1100(3).

NEW SECTION

WAC 388-550-4400 Services—Exempt from DRG payment. (1) The department shall exclude the following services from the diagnosis-related group (DRG)-based payment system:

(a) Neonatal services: The department shall exempt DRGs 602-619, 621-628, 630, 635, 637-641 neonatal services from the DRG payment methods. The department shall reimburse DRGs 620 and 629 (normal newborns) by the DRG payment method.

(b) Acquired immunodeficiency syndrome (AIDS)-related inpatient services: AIDS-related inpatient services for those cases with a reported diagnosis of, AIDS-related complex and other human immunodeficiency virus infections.

(c) Alcohol detoxification and treatment services: Alcoholism detoxification and treatment services provided in department-approved alcohol treatment centers.

(d) Detoxification, medical stabilization, and drug treatment for chemically-dependent pregnant women: Hospital-based intensive inpatient care for detoxification, medical stabilization, and drug treatment provided to chemically-dependent pregnant women by a certified hospital.

(e) Physical medicine and rehabilitation: Rehabilitation services provided in department-approved rehabilitation hospitals and general hospital distinct units, and services for physical medicine and rehabilitation patients.

(f) Chronic pain management: Pain management treatment provided in department-approved pain treatment facilities.

(g) Inpatient services for managed care plan enrollees: The department shall reimburse hospitals for these enrollees according to the contract between the hospital and the managed care plan.

(h) Long-term care administrative day services: The department shall reimburse long-term care services based on the statewide average Medicaid nursing facility per diem rate, which is adjusted annually each October 1. The department shall apply this rate to patient days identified as administrative days on the hospital's notice of rates. Hospitals must request a long-term care administrative day designation on a case-by-case basis.

(2) Except when otherwise specified, the department shall reimburse hospitals and services exempt from the DRG payment method under the RCC method, as described in WAC 388-550-4500.

NEW SECTION

WAC 388-550-4500 Payment method—RCC. (1)(a) The department shall calculate a hospital's ratio of cost to charge (RCC) by dividing allowable operating costs by patient revenues associated with these allowable costs.

(b) The department shall base these figures on the annual Medicare cost report data provided by the hospital.

(c) The department shall update hospitals' RCC ratios annually with the submittal of new HCFA 2552 Medicare cost report data. Prior to computing the ratio, the department shall exclude increases in operating costs or total rate-setting revenue attributable to a change in ownership.

(2) The department shall limit a hospital's RCC to one hundred percent of its allowable charges. The department shall recoup payments made to a hospital in excess of its customary charges to the general public.

(3) The department shall establish the basic hospital payment by multiplying the hospital's assigned RCC ratio by the allowed charges for medically necessary services. The department shall deduct client responsibility (spend-down) or third-party liability (TPL) as identified on the billing invoice or by the department from the basic payment to determine

the actual payment due from the department for that hospital admission.

(4) The department shall use the RCC payment method to reimburse:

(a) Peer group A hospitals;

(b) Other DRG-exempt hospitals identified in WAC 388-550-4300; and

(c) Any hospital for DRG-exempt services described in WAC 388-550-4400.

(5) The department shall deem the RCC for in-state and border area hospitals lacking sufficient HCFA 2552 Medicare cost report data the weighted average of the RCC ratios for in-state hospitals.

(6) The department shall calculate an outpatient ratio of cost-to-charge by dividing the projected costs by the projected charge multiplied by the average RCC.

(a) In no case shall the outpatient adjustment factor exceed 1.0.

(b) The factor shall be updated each October 1.

NEW SECTION

WAC 388-550-4600 Hospital selective contracting program. (1) The department shall designate selective contracting areas (SCA) in which hospitals participate in competitive bidding to provide hospital services to medical care clients. Selective contracting areas are based on historical patterns of hospital use by Medicaid clients.

(2) The department shall require medical care clients in a selective contracting area obtain their elective (nonemergent) inpatient hospital services from participating or exempt hospitals in the SCA. Elective (nonemergent) inpatient hospital services provided by nonparticipating hospitals in an SCA shall not be reimbursed by the department, except as provided in WAC 388-550-4700.

(3) The department shall exempt from the selective contracting program those hospitals that are:

(a) In an SCA but designated by the department as remote. The department shall designate as remote hospitals meeting the following criteria:

(i) Located more than ten miles from the nearest hospital in the SCA;

(ii) Having fewer than seventy-five beds; and

(iii) Having fewer than five hundred Medicaid admissions in a two-year period.

(b) Owned by health maintenance organizations (HMOs) and providing inpatient services to HMO enrollees only;

(c) Children's hospitals;

(d) State psychiatric hospitals or separate (freestanding) psychiatric facilities; and

(e) Out-of-state hospitals in nonborder areas, and out-of-state hospitals in border areas not designated as selective contracting areas.

(4)(a) The department shall negotiate with selectively contracted hospitals a negotiated conversion factor (NCF) for inpatient hospital services.

(b) The department shall calculate its maximum financial obligation for a client under the hospital selective contract in the same manner as DRG payments using cost-based conversion factors (CBCFs).

(c) The department shall apply NCFs to Medicaid clients only. The department shall use CBCFs in calculating payments for MI/medical care services clients.

NEW SECTION

WAC 388-550-4700 Payment—Non-SCA participating hospitals. (1) In a selective contracting area (SCA), the department shall pay any qualified hospital for inpatient hospital services provided to an eligible medical care client for treatment of an emergency medical condition.

(2) The department shall pay any qualified hospital for medically necessary but nonemergent inpatient hospital services provided to an eligible medical care client deemed by the department to reside an excessive travel distance from a contracting hospital.

(a) The client is deemed to have an excessive travel burden if the travel distance from a client’s residence to the nearest contracting hospital exceeds the client’s county travel distance standard, as follows:

<u>County</u>	<u>Community Travel Distance Norm</u>
Adams	25 miles
Asotin	15 miles
Benton	15 miles
Chelan	15 miles
Clallam	20 miles
Clark	15 miles
Columbia	19 miles
Cowlitz	15 miles
Douglas	20 miles
Ferry	27 miles
Franklin	15 miles
Garfield	30 miles
Grant	24 miles
Grays Harbor	23 miles
Island	15 miles
Jefferson	15 miles
King	15 miles
Kitsap	15 miles
Kittitas	18 miles
Klickitat	15 miles
Lewis	15 miles
Lincoln	31 miles
Mason	15 miles
Okanogan	29 miles
Pacific	21 miles
Pend Oreille	25 miles
Pierce	15 miles
San Juan	34 miles
Skagit	15 miles
Skamania	40 miles
Snohomish	15 miles
Spokane	15 miles
Stevens	22 miles
Thurston	15 miles
Wahkiakum	32 miles
Walla Walla	15 miles
Whatcom	15 miles
Whitman	20 miles
Yakima	15 miles

(b) If a client must travel outside his/her SCA to obtain inpatient services not available within the community, such as treatment from a tertiary hospital, the client shall obtain such services from a contracting hospital appropriate to the client’s condition.

(3) The department shall require prior authorization for all nonemergent admissions to nonparticipating hospitals in an SCA. See WAC 388-550-1700 (2)(a).

(4) The department shall pay a licensed hospital all applicable Medicare deductible and coinsurance amounts for inpatient services provided to Medicaid clients who are also beneficiaries of Medicare part A.

(5) The department shall pay any licensed hospital DRG-exempt services as listed in WAC 388-550-4400.

NEW SECTION

WAC 388-550-4800 Hospital payment method—State-only programs. (1) (a) The department shall calculate payments to hospitals for state-only MI/medical care services clients according to the:

- (i) Diagnosis-related group (DRG); or
- (ii) Ratio of cost-to-charge (RCC) methodologies; and

(b) The department shall reduce hospitals’ Title XIX rates by their ratable and/or equivalency (EQ) factors, as applicable.

(2) The department shall calculate ratables as follows:

(a) A hospital’s Medicare and Medicaid revenues are added together, along with the value of the hospital’s charity care and bad debts. The hospital’s low-income disproportionate share (LIDSH) revenue is deducted from this total to arrive at the hospital’s community care dollars.

(b) Revenue generated by hospital-based physicians, as reported in the hospital’s HCFA 2552 report, is subtracted from total hospital revenue, also as reported in the hospital’s cost report.

(c) The amount derived in step (2)(a) is divided by the amount derived in step (2)(b) to obtain the ratio of community care dollars to total revenue.

(d) The result of step (2)(c) is subtracted from 1.000 to derive the hospital’s ratable. The hospital’s Title XIX cost-based conversion factor (CBCF) or RCC rate is multiplied by (1-ratable) for an MI or medical care services client.

(e) The reimbursements for MI/medical care services clients are mathematically represented as follows:

$$\text{MI/medical care services RCC} = \text{Title XIX RCC} \times (1\text{-Ratable})$$

$$\text{MI/medical care services CBCF} = \text{Title XIX Conversion Factor} \times (1\text{-Ratable}) \times \text{EQ}$$

(3) The department shall update each hospital’s ratable annually on July 1.

(4)(a) The department shall use the equivalency factor (EQ) to hold the DRG reimbursement rates for the MI/medical care services programs at their current level prior to any rebasing. The department shall apply the EQ only to the Title XIX DRG CBCFs. The department shall not apply the EQ when the DRG rate change is due to the application of the annual DRI inflation adjustment.

(b) The department shall calculate a hospital’s equivalency factor as follows:

$$\text{EQ} = (\text{Current MI/medical care services conversion factor}) / (\text{Title XIX DRG rate} \times (1\text{-ratable}))$$

PERMANENT

(5) Effective for hospital admissions on or after December 1, 1991, the department shall reduce its payment for MI (but not medical care services) clients further by multiplying it by ninety-seven percent. The department shall apply this payment reduction adjustment to the MIDSH methodology in accordance with section 3(b) of the "Medicaid Voluntary Contributions and Provider-Specific Tax Amendment of 1991."

(6) When the MI/medical care services client has a trauma severity factor of nine or more, the department shall pay the full Medicaid Title XIX amount when care has been provided in a nongovernmental hospital designated by DOH as a trauma center. The department shall apply the reduction in MI cases where the trauma severity factor is less than nine. The department shall give an annual grant to governmental hospitals certified by DOH.

NEW SECTION

WAC 388-550-4900 Disproportionate share payments. (1) As required by section 1902 (a)(13)(A) of the Social Security Act, the department shall give consideration to hospitals which serve a disproportionate number of low-income patients with special needs by making a payment adjustment to eligible hospitals. The department shall deem this adjustment a disproportionate share payment.

(2) The department shall deem a hospital a disproportionate share hospital if:

(a) The hospital's Medicaid inpatient utilization rate (MIPUR), as defined in WAC 388-550-1050, is at least one standard deviation above the mean Medicaid inpatient utilization rate for hospitals receiving Medicaid payments in the state, or its low-income utilization rate (LIUR), as defined in WAC 388-550-1050, exceeds twenty-five percent; and

(b) The hospital has at least two obstetricians who have staff privileges at the hospital and who have agreed to provide obstetric services to eligible individuals, except that this requirement shall not apply to a hospital:

(i) The inpatients of which are predominantly individuals under eighteen years of age; or

(ii) Which did not offer nonemergency obstetric services to the general public as of December 22, 1987, when section 1923 of the Social Security Act was enacted.

(3) For hospitals located in rural areas, "obstetrician" shall mean any physician with staff privileges at the hospital to perform nonemergency obstetric procedures.

(4) The department may define or deem a hospital a disproportionate share hospital if:

(a) The hospital has a Medicaid inpatient utilization rate (MIPUR) of not less than one percent; and

(b) The hospital meets the requirement of subsection (2)(c) of this section.

(5) The department shall administer the following disproportionate share programs:

(a) Low-income disproportionate share hospital;

(b) Medically-indigent disproportionate share hospital;

(c) General assistance-unemployable disproportionate share hospital;

(d) Small rural hospital assistance program disproportionate share hospital;

(e) Teaching hospital assistance program disproportionate share hospital;

(f) State teaching hospital financing program disproportionate share hospital;

(g) County teaching hospital financing program disproportionate share hospital; and

(h) Public hospital district disproportionate share hospital.

(6) The department shall allow a hospital to receive any one or all of the disproportionate share hospital (DSH) payment adjustments discussed in subsection (5) of this section if:

(a) The hospital applies to the department; and

(b) Meets the eligibility requirements for the particular DSH payment program, as discussed in WAC 388-550-5000 through 388-550-5400.

(7) The department shall ensure each hospital's total DSH payments do not exceed the individual hospital's DSH limit, defined as the cost to the hospital of providing services to Medicaid patients, including patients served under Medicaid managed care programs, less the amount paid by the state under the non-DSH payment provision of the state plan, plus the cost to the hospital of providing services to uninsured patients, less any cash payments made by uninsured patients.

(8)(a) The department's total annual DSH payments shall not exceed the state's DSH allotment for the federal fiscal year.

(b) If the DSH statewide allotment is exceeded, the department shall recoup overpayments from hospitals in the following program order:

(i) Public hospital district disproportionate share hospital;

(ii) Teaching hospital assistance program disproportionate share hospital;

(iii) County teaching hospital financing program disproportionate share hospital;

(iv) State teaching hospital financing program disproportionate share hospital;

(v) Small rural hospital assistance program disproportionate share hospital;

(vi) Medically-indigent disproportionate share hospital;

(vii) General assistance-unemployable disproportionate share hospital; and

(viii) Low-income disproportionate share hospital.

(9) The department shall make periodic DSH payments to eligible hospitals. The department shall have sole discretion regarding the timing of DSH payments.

NEW SECTION

WAC 388-550-5000 Payment method—LIDSH. (1) The department shall deem a hospital serving the department's clients eligible for a low-income disproportionate share hospital (LIDSH) payment adjustment if the hospital meets the requirements of WAC 388-550-4900(2).

(2) The department shall pay hospitals deemed eligible under the criteria in subsection (1) of this section DSH payment amounts which in total equal the funding set by the state's appropriations act for LIDSH. The amount appropriated for LIDSH may vary from year to year.

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(3) The department shall apportion LIDSH payments to individual hospitals as follows:

(a) For each LIDSH-eligible hospital, the department shall determine the standardized Medicaid inpatient utilization rate (MIPUR). The MIPUR is standardized by dividing the hospital's MIPUR by the average MIPUR of all LIDSH-eligible hospitals.

(b) The hospital's standardized MIPUR is multiplied by the hospital's most recent fiscal year case mix index, and then by the hospital's most recent fiscal year Title XIX admissions. The product is then multiplied by an initial random base amount.

(c) The annual LIDSH payment so calculated for individual hospitals shall be added and compared to the appropriated amount. If the amounts differ, a new base amount shall be selected progressively by trial and error until the sum of the LIDSH payments to hospitals equals the appropriated amount.

NEW SECTION

WAC 388-550-5100 Payment method—MIDSH. (1) The department shall deem a hospital eligible for the medically indigent disproportionate share hospital (MIDSH) payment if the hospital:

(a) Meets the criteria in WAC 388-550-4900 (2)(c) and (4);

(b) Is an in-state or border area hospital;

(c) Provides services to clients under the medically indigent program; and

(d) Has a low-income utilization rate of one percent or more.

(2) The department shall determine the MIDSH payment for each eligible hospital in accordance with WAC 388-550-4800.

NEW SECTION

WAC 388-550-5150 Payment method—GAUDSH. (1) The department shall deem a hospital eligible for the general assistance-unemployable disproportionate share hospital (GAUDSH) payment if the hospital:

(a) Meets the criteria in WAC 388-550-4900 (2)(c) and (4);

(b) Is an in-state or border area hospital;

(c) Provides services to clients under the medical care services program; and

(d) Has a low-income utilization rate (LIUR) of one percent or more.

(2) The department shall determine the GAUDSH payment for each eligible hospital in accordance with WAC 388-550-4800, except that the payment shall not be reduced by the additional three percent specified in WAC 388-550-4800(4).

NEW SECTION

WAC 388-550-5200 Payment method—SRHAPDSH. (1) The department shall deem a hospital eligible for the small rural hospital assistance program disproportionate share hospital (SRHAPDSH) payment if the hospital:

(a) Meets the criteria in WAC 388-550-4900 (2)(c) and (4);

(b) Is an in-state hospital;

(c) Is a small, rural hospital, defined as a hospital with fewer than seventy-five licensed beds and located in a city or town with a nonstudent population of thirteen thousand or less; and

(d) Provides at least one percent of its services to low-income patients in rural areas of the state.

(2)(a) The department shall pay hospitals qualifying for SRHAPDSH payments from a legislatively appropriated pool.

(b) The department shall determine each individual hospital's SRHAPDSH payment as follows: The total dollars in the pool will be multiplied by the percentage derived from dividing the Medicaid payments to the individual hospital during the fiscal year that is two years previous to the state fiscal year immediately preceded by the total Medicaid payments to all SRHAPDSH hospitals during the same hospital fiscal year.

(3) The department's SRHAPDSH payments to a hospital may not exceed one hundred percent of the projected cost of care for Medicaid and uninsured indigent patients. The department shall reallocate dollars not allocated because a hospital would otherwise exceed this ceiling to the remaining hospitals in the SRHAPDSH pool.

NEW SECTION

WAC 388-550-5250 Payment method—THAPDSH. (1) The department shall deem a hospital eligible for the teaching hospital assistance program disproportionate share hospital (THAPDSH) program if the hospital:

(a) Meets the criteria in WAC 388-550-4900 (2)(c) and (4);

(b) Is a Washington State University hospital; and

(c) Has a Medicaid inpatient utilization rate (MIPUR) of twenty percent or more.

(2) The department shall fund THAPDSH payments with legislatively appropriated monies. The department shall divide the legislatively appropriated THAPDSH amount equally between qualifying hospitals.

NEW SECTION

WAC 388-550-5300 Payment method—STHFPDSH. (1) The department shall deem a hospital eligible for the state teaching hospital financing program disproportionate share hospital (STHFPDSH) if the hospital:

(a) Meets the criteria in WAC 388-550-4900 (2)(c) and (4);

(b) Is a state-owned university or public corporation hospital (border area hospitals are excluded);

(c) Provides a major medical teaching program, defined as a hospital with more than one hundred residents and/or interns; and

(d) Has a Medicaid inpatient utilization rate (MIPUR) of at least twenty percent.

(2)(a) The department shall pay hospitals deemed eligible under the criteria in subsection (1) of this section a STHFPDSH payment from the legislatively appropriated pool specifically designated for DSH payments to state and county teaching hospitals.

(b) The department shall limit STHFPDSH payments to eligible hospitals to seventy percent of the legislatively

appropriated pool for DSH payments to state and county teaching hospitals.

NEW SECTION

WAC 388-550-5350 Payment method—CTHFPDSH.

(1) The department shall deem a hospital eligible for the county teaching hospital financing program disproportionate share hospital (CTHFPDSH) payment if the hospital:

- (a) Meets the criteria in WAC 388-550-4900 (2)(c) and (4);
- (b) Is a county hospital in Washington state (border area hospitals are excluded), so designated by the county in which located;
- (c) Provides a major medical teaching program, defined as a hospital with more than one hundred residents and/or interns; and
- (d) Has a low-income utilization rate (LIUR) of at least twenty-five percent.

(2)(a) The department shall pay hospitals deemed eligible under the criteria in subsection (1) of this section a CTHFPDSH payment from the legislatively appropriated pool specifically designated for DSH payments to state and county teaching hospitals.

(b) The department shall limit CTHFPDSH payments to eligible hospitals to thirty percent of the legislatively appropriated pool for DSH payments to state and county teaching hospitals.

NEW SECTION

WAC 388-550-5400 Payment method—PHDDSH.

(1) The department shall deem a hospital eligible for the public hospital district disproportionate share hospital (PHDDSH) payment if the hospital:

- (a) Meets the criteria in WAC 388-550-4900 (2)(c) and (4);
- (b) Is a public district hospital in Washington state or a border area hospital owned by a public corporation; and
- (c) Provides at least one percent of its services to low-income patients.

(2) The department shall pay hospitals deemed eligible under the criteria in subsection (1) of this section a PHDDSH payment amount from the legislatively appropriated PHDDSH pool.

NEW SECTION

WAC 388-550-5500 Payment—Hospital-based RHCs. (1) The department shall reimburse hospital-based rural health clinics under the prospective payment methods effective July 1, 1994. Under the prospective payment method, the department shall not make reconciliation payments to a hospital-based rural health clinic to cover its costs for a preceding period.

(2) The department shall pay an amount equal to the hospital-based rural health clinic's charge multiplied by the hospital's specific ratio of costs to charges (RCC), not to exceed one hundred percent of the charges.

(3) The department shall determine the hospital-based rural health clinic's RCC from the hospital's annual Medicare cost report, pursuant to WAC 388-550-4500(1).

NEW SECTION

WAC 388-550-5600 Hospital rate appeals and disputes. (1) A hospital may appeal any aspect of its Medicaid payment rates by submitting a written notice of appeal and supporting documentation to the medical assistance administration's (MAA) hospital reimbursement section, except that no administrative appeals may be filed challenging the method described herein.

(a) The grounds for rate adjustments include, but are not limited to:

- (i) Errors or omissions in the data used to establish rates; and
- (ii) Peer group change recommended by the Washington state department of health.

(b) The department may require additional documentation from the provider in order to complete the appeal review. The department may conduct an audit and/or desk review if necessary to complete the appeal review.

(c) Unless the written rate notification specifies otherwise, a hospital shall file an appeal within sixty days after being notified of an action or determination the hospital wishes to challenge. The department shall deem the notification date of an action or determination the date of the written rate notification letter.

(i) A hospital which files an appeal within the sixty-day period described in subsection (1)(c) of this section shall be eligible for retroactive rate adjustments if it prevails.

(ii) The department shall not consider a hospital rate appeal filed after the sixty-day period described in this subsection for retroactive rate adjustments.

(d) When a hospital appeals a rate the department may review all aspects of its rate.

(e) Unless the written rate notification specifies otherwise, the department shall deem rate changes resulting from an appeal effective as follows:

(i) Increases in rates resulting from an appeal filed within sixty days after the written rate notification letter that the hospital is challenging shall be effective retroactive to the date of the rate change specified in the original notification letter.

(ii) Increases in rates resulting from a rate appeal filed after the sixty day period or exception period shall be effective on the date the appeal was filed with the department.

(iii) A rate decrease resulting from an appeal shall be effective on the date specified in the appeal decision notification.

(2)(a) A hospital may request a dispute conference to appeal an administrative review decision. The conference shall be conducted by the assistant secretary for the MAA or his/her designee.

(b) The hospital shall submit a request for a conference within thirty days of receipt of the administrative review decision.

(c) The department shall deem the dispute conference decision its final decision regarding rate appeals.

NEW SECTION

WAC 388-550-5700 Hospital reports and audits. (1) In-state and border area hospitals shall complete and submit a copy of their annual Medicare cost reports (HCFA 2552) to the department. These hospital providers shall:

- (a) Maintain adequate records for audit and review purposes, and assure the accuracy of their cost reports;
- (b) Complete their annual Medicare HCFA 2552 cost report according to the applicable Medicare statutes, regulations, and instructions; and
- (c) Submit a copy to the department:
 - (i) Within one hundred fifty days from the end of the hospital's fiscal year; or
 - (ii) If the hospital provider's contract is terminated, within one hundred fifty days of effective termination date; or

(d) Request up to a thirty day extension of the time for submitting the cost report in writing at least ten days prior to the due date of the report. Hospital providers shall include in the extension request the completion date of the report, and the circumstances prohibiting compliance with the report due date;

(2) If a hospital provider improperly completes a cost report or the cost report is received after the due date or approved extension date, the department may withhold all or part of the payments due the hospital until the department receives the properly completed or late report.

(3) Hospitals shall submit other financial information required by the department to establish rates.

(4) The department shall periodically audit:

- (a) Cost report data used for rate setting;
- (b) Hospital billings; and
- (c) Other financial and statistical records.

NEW SECTION

WAC 388-550-5800 Outpatient and emergency hospital services. The department shall cover outpatient services, emergent outpatient surgical care, and other emergency care performed on an outpatient basis in a hospital for categorically needy or limited casualty program-medically needy clients. The department shall limit clients eligible for the medically indigent program to emergent hospital services, subject to the conditions and limitations of WAC 388-521-2140, 388-529-2950, and this chapter.

NEW SECTION

WAC 388-550-5900 Prior authorization—Outpatient services. The department shall require providers to obtain prior authorization for the following selected outpatient hospital services:

- (1) Magnetic resonance imaging;
- (2) Magnetic resonance angiography;
- (3) Sleep studies/polysomnograms for clients over one year old, unless provided in a medical assistance administration (MAA)-approved facility;
- (4) Peripheral stem cell transplants, unless provided in an MAA-approved facility;

(5) Positron emission tomography scans, except that the department shall not require prior authorization for brain PET scans;

(6) Evaluation, management and treatment of chronic pain, unless provided in an MAA-approved facility; and

(7) Weight loss program costs, unless provided in a department-approved outpatient weight-loss facility.

(8) See WAC 388-550-1700 for hospital services requiring prior approval and WAC 388-550-1800 for certain prior approval exemptions.

NEW SECTION

WAC 388-550-6000 Payment—Outpatient hospital services. (1)(a) The department shall determine allowable costs for hospital outpatient services, excluding nonallowable revenue codes, by the application of the hospital-specific outpatient ratio of costs to charges (RCC), except as specified in subsection (2) below.

(b) The department shall not pay separately for ancillary hospital services which are included in the hospital's RCC reimbursement rate.

(2) The department shall pay the lesser of billed charges or the department's published maximum allowable fees for the following outpatient services:

- (a) Laboratory/pathology;
- (b) Radiology, diagnostic and therapeutic;
- (c) Nuclear medicine;
- (d) Computerized tomography scans, magnetic resonance imaging, and other imaging services;
- (e) Physical therapy;
- (f) Occupational therapy;
- (g) Speech/language therapy; and
- (h) Other hospital services as identified and published by the department.

(3) The department shall not be responsible for payment of hospital care and/or services provided to a client enrolled in a department-contracted, prepaid medical plan when the client fails to use:

(a) For a nonemergent condition, a hospital provider under contract with the plan;

(b) In a bona fide emergent situation, a hospital provider under contract with the plan; or

(c) The provider whom the department has authorized to provide and receive payment for a service not covered by the prepaid plan but covered under the client's medical assistance program.

(4) The department shall consider a hospital stay of twenty-four hours or less as an outpatient short stay. The department shall not reimburse an outpatient short stay under the diagnosis-related group system except when it involves one of the following situations:

- (a) Death of a client;
- (b) Obstetrical delivery;
- (c) Initial care of a newborn; or
- (d) Transfer of a client to another acute care hospital.

(5) The department shall not pay for patient room and ancillary services charges beyond the twenty-four period for outpatient stays.

(6) The department shall not cover short stay unit, emergency room facility charges, and labor room charges in combination when the billed periods overlap.

(7) The department shall require that the hospital's bill to the department shows the admitting, principal, and secondary diagnoses, and include the attending physician's name.

NEW SECTION

WAC 388-550-6100 Outpatient hospital physical therapy. (1) The department shall pay for physical therapy as an outpatient hospital service when:

- (a) The attending physician prescribes physical therapy;
- (b) A licensed physical therapist or physiatrist or a physical therapist assistant supervised by a licensed physical therapist provides the treatment; and
- (c) The therapy assists the client:
 - (i) In avoiding hospitalization or nursing facility care; or
 - (ii) In becoming employable; or
 - (iii) Who suffers from severe motor disabilities to obtain a greater degree of self-care or independence; or
 - (iv) As part of a treatment program intended to restore normal function of a body part following injury, surgery, or prolonged immobilization.

(2) The hospital shall bill outpatient hospital physical therapy services to the department using the appropriate current procedural terminology or department-assigned codes. The department shall not pay outpatient hospitals a facility fee for such services.

(3) The department shall pay for outpatient hospital physical therapy for clients eligible under the:

- (a) Categorically needy, general assistance unemployable and ADATSA programs;
- (b) Medically needy program only when the client is:
 - (i) Twenty years of age and under and referred by a screening provider under the early and periodic screening, diagnosis, and treatment program; or
 - (ii) Receiving home health care services.

(4) The department shall not pay for physical therapy programs for clients under the limited casualty program-medically indigent program.

(5)(a) For clients who are twenty years of age or under, the department shall not require prior authorization or limit the number of physical therapy sessions payable per client per calendar year, subject to the provision of subsection (8) below, provided the services are medically necessary.

(b) Providers shall fully document in the client's medical record the medical justification for continued therapy.

(6)(a) Except as provided in subsection (7) below, the department shall pay for categorically needy, medically needy and medical care services clients who are twenty-one years of age or older a total of eighteen hours of physical therapy in a calendar year, in any combination of modalities and procedures, for:

- (i) Acute conditions; or
 - (ii) Following joint surgery.
- (b) The department shall set time unit equivalents for each physical therapy procedure or modality, and publish such schedules periodically.

(7) For a client twenty-one years of age or older who has a medical diagnosis specified in the outpatient hospital billing instructions as normally requiring more intensive

physical therapy treatment, the department shall cover up to twenty-four hours of physical therapy in a calendar year, in any combination of modalities and procedures.

(8)(a) Notwithstanding the hours per calendar year limit, the department shall reimburse a maximum of one hour of physical therapy session per day, except that a maximum of two hours shall be allowed when a client assessment/evaluation is performed on the same date.

(b) The physical therapy provider shall document in each client's record the amount of time spent on services to the client.

(9)(a) The department shall require that physical therapy begin within thirty days of the date the therapy was prescribed.

(b) The department may deny payment for therapy started more than thirty days after the date of the prescription, unless medical justification for the delay is presented to the department.

(c) The hospital shall include the prescription for physical therapy services in the client's medical record.

(10) The department shall not pay for physical therapy services under fee-for-service when physical therapy is already included in other reimbursement methodologies applied to the case, including but not limited to DRG payment for inpatient hospital services and nursing facility per diem.

NEW SECTION

WAC 388-550-6150 Outpatient hospital occupational therapy. (1) The department shall pay for occupational therapy as an outpatient hospital service when:

- (a) The service is provided by a licensed occupational therapist or a licensed occupational therapy assistant supervised by a licensed occupational therapist;
- (b) The provider obtains approval from the department before services are performed, for services requiring prior approval as designated in the department's billing instructions; and

(c) The occupational therapy is provided:

- (i) As part of an outpatient program when identified in the early and periodic screening, diagnosis, and treatment program of a recipient twenty years of age and younger; or
- (ii) As part of the physical medicine and rehabilitation program.

(2)(a) The hospital shall bill outpatient hospital occupational therapy services to the department using the appropriate current procedural terminology or department-assigned codes.

(b) The department shall not pay outpatient hospitals a facility fee for these services.

(3) The department shall pay for occupational therapy provided to clients eligible under the:

- (a) Categorically needy, general assistance unemployable and ADATSA programs;
- (b) Medically needy program only when the client is:
 - (i) Twenty years of age and younger and referred by a screening provider under the early and periodic screening, diagnosis and treatment program; or
 - (ii) Receiving home health care services.

(4) The department shall reimburse for occupational therapy as part of an outpatient program when identified in

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the early and periodic screening, diagnosis, and treatment program of an eligible client.

(5) The department shall cover one assessment, two durable medical equipment needs assessments, and twelve sessions of outpatient hospital occupational therapy per year.

(6) The department shall pay for up to twenty-four additional therapy visits for clients under the children with special health care needs program when the therapy visits are related to the approved list of diagnoses as published by the department.

(7) The department shall not pay for occupational therapy when payment for occupational therapy is included in the reimbursement of other treatment programs including, but not limited to the hospital inpatient diagnosis related group and inpatient physical medicine and rehabilitation services.

NEW SECTION

WAC 388-550-6200 Outpatient hospital speech therapy services. (1) The department shall cover speech therapy services for eligible medical care clients who have a medically recognized disease or defect which requires speech therapy services, except as limited below:

(a) Under the medically needy program the department shall limit therapy to clients twenty years of age and under.

(b) The department shall not pay for specialized speech therapy under the medically indigent program.

(2) The department shall cover speech therapy when provided under a written plan of treatment:

(a) Established by a speech pathologist who has been granted a certificate of clinical competence by the American Speech, Language and Hearing Association; or

(b) An individual who has completed the equivalent educational and work experience necessary for such a certificate; and

(c) That is periodically reviewed by the client's primary care physician.

(3) The department shall cover one medical diagnostic evaluation and twelve speech therapy sessions in a calendar year per client. The department may cover up to twenty-four additional speech therapy sessions only when associated with the specific diagnoses listed in the department's outpatient hospital billing instructions. The department shall make such instructions available to the public.

(4) The department shall require a provider to submit an authorization request to the office of children with special health care needs on the appropriate form for a child with special health care needs who needs more than twelve speech therapy sessions or the additional twenty-four sessions, but does not have any of the specific diagnoses identified in subsection (3) of this section.

(5) The department shall require swallowing (dysphagia) evaluations to be performed by a speech/language pathologist who holds a master's degree in speech pathology and who has received extensive training in the anatomy and physiology of the swallowing mechanism, with additional training in the evaluation and treatment of dysphagia.

(6) The department shall require a swallowing evaluation to include:

(a) An oral-peripheral exam to evaluate the anatomy and function of the structures used in swallowing;

(b) Dietary recommendations for oral food and liquid intake therapeutic or management techniques;

(c) Therapeutic or management techniques; and

(d) Videofluoroscopy, when necessary, for further evaluation of swallowing status and aspiration risks.

(7) The provider shall bill outpatient hospital speech therapy services to the department using the appropriate current procedural terminology or department-assigned codes. The department shall not pay the outpatient hospital a facility fee for these services.

(8) The department shall not pay for speech therapy when payment for speech therapy is included in the reimbursement as part of other treatment programs including, but not limited to the hospital inpatient diagnosis-related group and nursing facility services.

NEW SECTION

WAC 388-550-6250 Pregnancy—Enhanced outpatient benefits. The department shall provide outpatient chemical dependency treatment in programs qualified under chapter 440-25 WAC and certified under chapter 440-22 WAC or its successor.

NEW SECTION

WAC 388-550-6300 Outpatient nutritional counseling. (1) The department shall cover nutritional counseling services only for eligible Medicaid clients twenty years of age and under referred during an early and periodic screening, diagnosis and treatment screening to a certified dietitian.

(2) Except for children under the children's medical program, the department shall not cover nutritional counseling for clients under the medically indigent and other state-only funded programs.

(3) The department shall pay for nutritional counseling for the following conditions:

(a) Inadequate or excessive growth such as failure to thrive, undesired weight loss, underweight, major change in weight-to-height percentile, and obesity;

(b) Inadequate dietary intake, such as formula intolerance, food allergy, limited variety of foods, limited food resources, and poor appetite;

(c) Infant feeding problems, such as poor suck/swallow reflex, breast-feeding difficulties, lack of developmental feeding progress, inappropriate kinds or amounts of feeding offered, and limited caregiver knowledge and/or skills;

(d) Chronic disease requiring nutritional intervention, such as congenital heart disease, pulmonary disease, renal disease, cystic fibrosis, metabolic disorder, and gastrointestinal disease;

(e) Medical conditions requiring nutritional intervention, such as iron-deficiency anemia, familial hyperlipidemia, and pregnancy;

(f) Developmental disability, such as increasing the risk of altered energy and nutrient needs, oral-motor or behavioral feeding difficulties, medication-nutrient interaction, and tube feedings; or

(g) Psycho-social factors, such as behavior suggesting eating disorders.

(4) The department shall pay for maximum of twenty sessions, in any combination, of assessment/evaluation and/or nutritional counseling in a calendar year.

(5) The department shall require each assessment/evaluation or nutritional counseling session be for a period of twenty-five to thirty minutes of direct interaction with a client and/or the client's caregiver.

(6) The department shall pay the provider for a maximum of two sessions per day per client.

NEW SECTION

WAC 388-550-6350 Outpatient sleep apnea/sleep study programs. (1) The department shall pay for polysomnograms or multiple sleep latency tests only for clients one year of age or older with obstructive sleep apnea or narcolepsy.

(2) The department shall pay for polysomnograms or multiple sleep latency tests only when performed in outpatient hospitals approved by the medical assistance administration (MAA) as centers of excellence for sleep apnea/sleep study programs.

(3) The department shall not require prior authorization for sleep studies as outlined in WAC 388-550-1800.

(4) Hospitals shall bill the department for sleep studies using current procedural terminology codes. The department shall not reimburse hospitals for these services when billed under revenue codes.

NEW SECTION

WAC 388-550-6400 Outpatient hospital diabetes education. (1) The department shall pay for outpatient hospital-based diabetes education for an eligible client when:

(a) The facility is approved by the department of health (DOH) as a diabetes education center, and

(b) The client is referred by a licensed health care provider.

(2) The department shall require the diabetes education teaching curriculum to have measurable, behaviorally-stated educational objectives. The diabetes education teaching curriculum shall include all the following core modules:

(a) An overview of diabetes;

(b) Nutrition, including individualized meal plan instruction that is not part of the Women, Infants, and Children program;

(c) Exercise, including an individualized physical activity plan;

(d) Prevention of acute complications, such as hypoglycemia, hyperglycemia, and sick day management;

(e) Prevention of other chronic complications, such as retinopathy, nephropathy, neuropathy, cardiovascular disease, foot and skin problems;

(f) Monitoring, including immediate and long term diabetes control through monitoring of glucose, ketones, and glycosylated hemoglobin; and

(g) Medication management, including administration of oral agents and insulin, and insulin start-up.

(3) The department shall pay for a maximum of six hours of individual core survival skills outpatient diabetes education per lifetime per client.

(4) The department shall require DOH-approved centers to bill the department for diabetes education services on the UB92 billing form using the specific revenue codes assigned and published by the department.

(5) The department shall reimburse for outpatient hospital-based diabetes education based on the individual hospital's current specific ratio of costs-to-charges, or the hospital's customary charge for diabetes education, whichever is less.

NEW SECTION

WAC 388-550-6450 Outpatient hospital weight loss program. The department may pay for an outpatient weight loss program only when provided through an outpatient weight loss facility approved by the medical assistance administration. The department shall deny payment for services provided by nonapproved providers.

NEW SECTION

WAC 388-550-6500 Blood and blood products. (1) The department shall limit Medicaid reimbursement to a hospital for blood derivatives to blood bank service charges for processing the blood and blood products.

(2) Other than payment of blood bank service charges, the department shall not pay for blood and blood derivatives.

(3) The department shall not separately reimburse blood bank service charges for handling and processing blood and blood derivatives provided to an individual who is hospitalized when the hospital is reimbursed under the diagnosis-related group (DRG) system. The department shall bundle these service charges into the total DRG payment.

(4) The department shall reimburse a hospital, which is paid under the cost to charge method, separately for processing blood and blood products.

NEW SECTION

WAC 388-550-6600 Hospital-based physician services. See chapter 388-531 WAC regarding rules for inpatient and outpatient physician services.

NEW SECTION

WAC 388-550-6700 Hospital services provided out-of-state. (1) The department shall reimburse only emergency care for an eligible Medicaid client who goes to another state, except specified border cities, specifically for the purpose of obtaining medical care that is available in the state of Washington. See WAC 388-501-0175 for a list of border cities.

(2) The department shall authorize and provide comparable medical care services to a Medicaid client who is temporarily outside the state to the same extent that such medical care services are furnished to an eligible Medicaid client in the state, subject to the exceptions and limitations in this section.

(3) The department shall not authorize payment for out-of-state medical care furnished to state-funded clients (medically indigent/medical care services), but may authorize medical services in designated bordering cities.

(4) The department shall cover hospital care provided to Medicaid clients in areas of Canada as described in WAC 388-501-0180 (1)(b).

(5) The department shall review all cases involving out-of-state medical care to determine whether the services are within the scope of the medical assistance program.

(6)(a) If the client can claim deductible or coinsurance portions of Medicare, the provider shall submit the claim to the intermediary or carrier in the provider's own state on the appropriate Medicare billing form.

(b) If the state of Washington is checked on the form as the party responsible for medical bills, the intermediary or carrier may bill on behalf of the provider or may return the claim to the provider for submission to the state of Washington.

(7) For reimbursement for out-of-state inpatient hospital services, see WAC 388-550-4000.

(8) The department shall reimburse out-of-state outpatient hospital services billed under the physician's current procedural terminology codes at an amount that is the lower of:

(a) The billed amount; or

(b) The rate paid by the Washington state Title XIX Medicaid program.

(9) Out-of-state providers shall present final charges to MAA within three hundred sixty-five days of the date of service. In no case shall the state of Washington be liable for payment of charges received beyond one year from the date services were rendered.

NEW SECTION

WAC 388-550-2300 Payment—PM&R. (1) The department may pay for acute inpatient physical medicine and rehabilitation (PM&R) evaluation and individualized treatment for a client for a period of up to four weeks when all of the following conditions are met:

(a) The client suffers from severe disabilities including, but not limited to, motor and/or cognitive deficits;

(b) The client's condition is of hospital-level acuity and:

(i) The condition is medically stable;

(ii) The client is able to actively participate in rehabilitation at least three hours per day, five days per week;

(iii) The client is alert, cooperative, and follows commands;

(iv) The client can mobilize out of bed;

(v) The client is ready to participate in rehabilitation; and

(vi) The client must have new deficits or recent loss of his/her previous level of function.

(c) The client must show an impairment in two or more of the following areas:

(i) Mobility and strength;

(ii) Self care/activities of daily living (ADLs);

(iii) Communication;

(iv) Continence, evacuation of bowel and/or bladder;

(v) Kitchen/food preparation, safety and skill;

(vi) Cognitive perceptual functioning; or

(vii) Pathfinding skills and safety.

(d) PM&R treatment would potentially enable the client to obtain a greater degree of self-care and/or independence;

(e) The client's medical condition requires that intensive PM&R services be provided in an inpatient setting;

(f) The department authorizes services; and

(g) The services are provided in a contract facility approved by the department to provide inpatient PM&R services.

(2) The department shall pay a hospital admitting a PM&R client who does not meet the above criteria the administrative day rate set at the statewide average daily nursing home rate as determined by the department.

(3) The department may authorize an extension to the inpatient treatment period specified in subsection (1) of this section if the PM&R facility submits adequate written medical justification to the department prior to the expiration of the initial approved stay.

(4) The department shall consider only written applications from facilities requesting designation as approved contract facilities for inpatient PM&R services. To be an inpatient PM&R contract facility, a hospital shall be a commission on accreditation of rehabilitation facilities (CARF)-approved level I or level II rehabilitation facility, as approved by the department.

(5) The department may approve a skilled nursing facility or a hospital as a level II PM&R contract inpatient rehabilitation facility if it meets the following criteria. The skilled nursing facility is:

(a) Medicare and Medicaid-certified;

(b) Accredited by the CARF. The facility shall submit to the department documentation showing its CARF accreditation; and

(c) In good standing with the department.

(6) The department may conditionally approve an inpatient rehabilitation facility as a level II PM&R contract rehabilitation facility if it meets the criteria in subsections (5)(a) and (c) above, and provides documentation showing it:

(a) Is actively operating under CARF standards; and

(b) Has begun the process of obtaining full CARF accreditation.

(7) An inpatient rehabilitation facility conditionally approved as a level II contract rehabilitation facility shall obtain full CARF accreditation within twelve months of being granted conditional approval by the department. The department shall automatically revoke conditional approval for any facility which fails to obtain full CARF accreditation within the allotted one year period.

(8) The department shall determine the most appropriate acute inpatient PM&R facility (inpatient hospital or skilled nursing facility) placement which provides clients the least restrictive environment at the least cost to the department.

(9) A level I PM&R contract rehabilitation facility shall be reimbursed by the department according to the individual hospital's current ratio of cost-to-charge, as described in WAC 388-550-4500.

(10)(a) The department shall reimburse an approved level II PM&R contract rehabilitation facility, whether a hospital or skilled nursing facility, according to the all-inclusive contracted reimbursement allowance, except that such allowance shall not be deemed to include customized adaptive appliances or specialized therapeutic bed, wheelchair, ventilator, or orthotics for home use.

(b) Reimbursement for other medical services provided by the facility which are unrelated to the client's PM&R stay shall be determined by the department on a case-by-case basis.

(11) A hospital not approved by the department as a contract PM&R facility may be reimbursed under the diagnosis-related group methodology, using the initial

admitting diagnosis, for rehabilitation services it provides to medical assistance clients.

WSR 98-02-003
PERMANENT RULES
UTILITIES AND TRANSPORTATION
COMMISSION

[General Order No. R-447, Docket No. UT-961295—Filed December 24, 1997, 2:16 p.m.]

In the matter of amending WAC 480-120-106 Form of bills, relating to the exemption of prepaid calling card service from the requirement to provide a bill for service.

STATUTORY OR OTHER AUTHORITY: The Washington Utilities and Transportation Commission takes this action under Notice No. WSR 97-19-070, filed with the code reviser on September 15, 1997. The commission brings this proceeding pursuant to RCW 80.01.040.

STATEMENT OF COMPLIANCE: This proceeding complies with the Open Public Meetings Act (chapter 42.30 RCW), the Administrative Procedure Act (chapter 34.05 RCW), the State Register Act (chapter 34.08 RCW), the State Environmental Policy Act of 1971 (chapter 34.21C RCW), and the Regulatory Fairness Act (chapter 19.85 RCW).

DATE OF ADOPTION: The commission adopted this rule on October 29, 1997.

CONCISE STATEMENT OF PURPOSE AND EFFECT OF THE RULE: The proposal would exempt prepaid calling card services from billing requirements. Existing rules require a form of bill for all telecommunication services. Due to the specialized nature of prepaid calling card services, providers do not render bills to their customers. The rule was promulgated before the existence of such services and consequently does not contemplate prepaid calling card services, requirements of the rule are not appropriate for such services.

REFERENCE TO AFFECTED RULES: This rule amends the following section of the Washington Administrative Code: WAC 480-120-106 Form of bills, excluding prepaid calling card services from the requirement of providing a bill for service.

PREPROPOSAL STATEMENT OF INQUIRY AND ACTIONS THEREUNDER: The commission filed a Preproposal Statement of Inquiry (CR-101) on May 21, 1997, at WSR 97-11-071.

ADDITIONAL NOTICE AND ACTIVITY PURSUANT TO PREPROPOSAL STATEMENT: The statement advised interested persons that the commission was considering entering a rule making on exempting prepaid calling card services from billing requirements. The commission also informed persons of the inquiry into this matter by providing notice of the subject and the CR-101 to all persons on the commission's list of persons requesting such information pursuant to RCW 34.05.320(3). Pursuant to the notice, the commission did engage in a workshop with interested parties to discuss written comments and to reach consensus on the proposed revisions. The workshop participants included representatives from commission staff, US WEST Communications, Inc., GTE Northwest Incorporated, and Sprint Communications Company, L.P. All participants agreed that the goal of exempting prepaid calling card services from the form of

bills reporting requirement is laudable, and the participants reached consensus that the proposal is appropriate.

NOTICE OF PROPOSED RULE MAKING: The commission filed a notice of proposed rule making (CR-102) on September 15, 1997, at WSR 97-19-070. The commission scheduled this matter for oral comment and adoption under Notice No. WSR 97-19-070 at 9:00 a.m., Wednesday, October 29, 1997, in the Commission's Hearing Room, Second Floor, Chandler Plaza Building, 1300 South Evergreen Park Drive S.W., Olympia, WA. The notice provided interested persons the opportunity to submit written comments to the commission.

COMMENTERS: The commission received written comments from US WEST Communications, Inc., Sprint Communications Company, L.P., and GTE Northwest Incorporated on the notice for proposed rule making (CR-102), WSR 97-19-070.

Commission staff incorporated revisions suggested by commenting parties in order to address privacy concerns relating to the provision of call detail reports. A prepaid calling card provider should be required to provide call detail reports for prepaid calling card services only upon provision of the prepaid calling card or copy of the card, to protect the privacy of the card holder. WAC 480-120-106(2) was therefore revised to read "and upon provision of the card or copy of the card."

RULE-MAKING HEARING: The rule change was considered for adoption, pursuant to the notice, at the commission's regularly scheduled open public meeting on October 29, 1997, before Chair Anne Levinson, Commissioner Richard Hemstad, and Commissioner William R. Gillis. The commission heard oral comments from Tony Cooke, representing commission staff. No other interested person made oral comments.

FINDINGS

Upon review of the proposed rule amendments and the record in this matter, the commission is satisfied that the rule amendments are in the public interest and should be adopted and accepted. The parties are to be commended for their cooperative efforts regarding the issues in this proceeding.

THE COMMISSION FINDS:

1. The Washington Utilities and Transportation Commission is an agency of the state of Washington, vested by statute with authority to regulate rules, rates, regulations, practices, accounts, securities, property transfers, and mergers of public service companies.

2. On May 21, 1997, the commission initiated a rule making to address form of bill requirements for prepaid calling card services.

3. Docket No. UT-961295 is a rule amendment in WAC 480-120-106.

4. The commission held one public workshop and a hearing on the rule proposal.

5. The change incorporated in the rule after publication of the CR-102 proposed rule making, is not deemed significant. The change clarifies the language proposed but does not vary from the intent or purpose of the rule draft previously published.

6. The amended rule in WAC 480-120-106 exempts prepaid calling card services from billing requirements.

Existing rules require a form of bill for all telecommunications services. Due to the specialized nature of prepaid calling card services, prepaid calling card providers do not render bills to their customers.

COMMISSION ACTION: After considering all of the information regarding this proposal, the commission adopted the rule amendment.

CHANGES FROM PROPOSAL: The commission adopted the proposal with the following changes from the text noticed at WSR 97-19-070.

Change in WAC 480-120-106. Subsection (2) is amended to add the following language, modifying the provider's obligation to provide a detailed statement of services provided through a prepaid calling card:

"and upon provision of the card or copy of the card."

STATEMENT OF ACTION; STATEMENT OF EFFECTIVE DATE: In reviewing the entire record, the commission determines that WAC 480-120-106 should be amended to read as set forth in Appendix A, as a rule of the Washington Utilities and Transportation Commission, to take effect pursuant to RCW 34.05.380(2) on the thirty-first day after filing with the code reviser.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 1, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 1, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

ORDER

THE COMMISSION ORDERS:

1. WAC 480-120-106 is amended to read as set forth in Appendix A, as a rule of the Washington Utilities and Transportation Commission, to take effect on the thirty-first day after the date of filing with the code reviser pursuant to RCW 34.05.380(2).

2. This order and the rule set out below, after being recorded in the register of the Washington Utilities and Transportation Commission, shall be forwarded to the code reviser for filing pursuant to chapters 80.01 and 34.05 RCW and chapter 1-21 WAC.

3. The commission adopts commission staff memoranda, presented when the commission considered filing a preproposal statement of inquiry, when it considered filing the formal notice of proposed rule making, and when it considered adoption of this proposal in conjunction with the text of this order, as its concise explanatory statement of the reasons for adoption, as required by RCW 34.05.025.

DATED at Olympia, Washington, this 23rd day of December 1997.

Washington Utilities and Transportation Commission
Anne Levinson, Chair

Richard Hemstad, Commissioner
William R. Gillis, Commissioner

APPENDIX "A"

AMENDATORY SECTION (Amending Order R-345, Docket No. UT-900726, filed 6/18/91, effective 7/19/91)

WAC 480-120-106 Form of bills. (1) Except as provided in subsection (2) of this section, bills to subscribers shall be rendered regularly and shall clearly list all charges. Each bill shall indicate the date it becomes delinquent and notice of means by which a subscriber can contact the nearest business office of the utility.

The portion of a bill rendered by the local exchange company on behalf of itself and other companies shall clearly specify the (~~(alternate)~~) operator service (~~(company's)~~) provider's billing agent (~~(and, where feasible, within ninety days after the effective date of this rule)~~), the provider of the (~~(alternate)~~) operator services and a toll free telephone number the consumer can call to question that portion of the bill and, if appropriate, receive credit. A number may be used on this portion of the bill only if it connects the subscriber with a firm which has full authority to investigate and, if appropriate, to adjust disputed calls including a means to verify that the rates charged are correct. Consumers requesting an address or toll free telephone number of the operator service provider where they can (~~(write to)~~) question that portion of the bill shall be provided that information.

A local exchange company shall not provide billing and collection services for telecommunications service to any company not properly registered to provide service within the state of Washington, except to a billing agent that certifies to the local exchange carrier that it will submit charges only on behalf of properly registered companies. As a part of this certification the local exchange company shall require that the billing agent provide to it a current list of each telecommunications company for which it bills showing the name (as registered with the commission) and address. This list shall be updated and provided to the local exchange company as changes occur. The local exchange company shall (~~(in turn, upon receiving it,)~~) provide a copy of this list to the commission for its review (~~(whenever a carrier is added or deleted)~~) upon request.

All bills for telephone service shall identify and set out separately any access or other charges imposed by order of or at the direction of the Federal Communications Commission. In addition, all bills for telephone service within jurisdictions where taxes are applicable will clearly delineate the amount, or the percentage rate at which said tax is computed, which represents municipal occupation, business and excise taxes that have been levied by a municipality against said utility, the effect of which is passed on as a part of the charge for telephone service.

Subscribers requesting by telephone, letter or office visit an itemized statement of all charges shall be furnished same. An itemized statement is meant to include separately, the total for exchange service, mileage charges, taxes, credits, miscellaneous or special services and toll charges, the latter showing at least date, place called and charge for each call. In itemizing the charges of information providers, the utility

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shall furnish the name, address, telephone number and toll free number, if any, of such providers. Any additional itemization shall be at a filed tariff charge.

Upon a showing of good cause, a subscriber may request to be allowed to pay by a certain date which is not the normally designated payment date. Good cause shall include, but not be limited to, adjustment of the payment schedule to parallel receipt of income. A utility may be exempted from this adjustment requirement by the commission.

(2) Any telecommunication company's prepaid calling card services are exempt from subsection (1) of this section. Any telecommunications company for which an exemption is provided under this section shall provide call detail reports for prepaid calling card services free to customers upon request and upon provision of the card or copy of the card.

**WSR 98-02-004
PERMANENT RULES
UTILITIES AND TRANSPORTATION
COMMISSION**

[General Order No. R-445, Docket No. A-970591—Filed December 24, 1997, 2:18 p.m.]

In the matter of repealing chapters 480-35, 480-69 and 480-150 WAC, relating to limousine charter party carriers, railroad companies - track scales, and compliance with Economic Stabilization Act of 1970.

STATUTORY OR OTHER AUTHORITY: The Washington Utilities and Transportation Commission takes this action under Notice No. WSR 97-22-083, filed with the code reviser on November 4, 1997. The commission brings this proceeding pursuant to RCW 80.01.040, 80.04.160, and 81.04.160.

STATEMENT OF COMPLIANCE: This proceeding complies with the Open Public Meetings Act (chapter 42.30 RCW), the Administrative Procedure Act (chapter 34.05 RCW), the State Register Act (chapter 34.08 RCW), the State Environmental Policy Act of 1971 (chapter 34.21C RCW), and the Regulatory Fairness Act (chapter 19.85 RCW).

DATE OF ADOPTION: The commission adopted this rule on December 10, 1997.

CONCISE STATEMENT OF PURPOSE AND EFFECT OF THE RULE: The proposal would repeal three chapters of the Washington Administrative Code that are obsolete because the commission no longer has programmatic responsibility over the subjects of the chapter.

REFERENCE TO AFFECTED RULES: This rule repeals, amends, or suspends the following sections of the Washington Administrative Code: Repealing chapters 480-35, 480-69, and 480-150 WAC.

PREPROPOSAL STATEMENT OF INQUIRY AND ACTIONS THEREUNDER: The commission filed a preproposal statement of inquiry (CR-101) on August 14, 1997, at WSR 97-17-046. The commission also provided notice of the proposed action to lists of persons who have asked to receive notice of rule-making actions, and attorneys who practice before the commission.

ADDITIONAL NOTICE AND ACTIVITY PURSUANT TO PREPROPOSAL STATEMENT: The statement advised interested persons that the commission was considering entering a rule

making on repealing chapters 480-35, 480-69, and 480-150 WAC. The commission also informed persons of the inquiry into this matter by providing notice of the subject and the CR-101 to all persons on the commission's list of persons requesting such information pursuant to RCW 34.05.320(3) and by sending notice to regulated entities and attorneys. Pursuant to the notice, the commission did engage in two workshops at which the topic was one for discussion.

NOTICE OF PROPOSED RULE MAKING: The commission filed a notice of proposed rule making (CR-102) on November 4, 1997, at WSR 97-22-083. The commission scheduled this matter for oral comment and adoption under Notice No. WSR 97-22-083 at 9:00 a.m., Wednesday, December 10, 1997, in the Commission's Hearing Room, Second Floor, Chandler Plaza Building, 1300 South Evergreen Park Drive S.W., Olympia, WA. The notice provided interested persons the opportunity to submit written comments to the commission.

MEETINGS OR WORKSHOPS; ORAL COMMENTS: No persons commented against the repeal of these provisions.

COMMENTERS (WRITTEN COMMENTS): The commission received no written comments against the repeal of these provisions.

RULE-MAKING HEARING: The rule repeal proposal was considered for adoption, pursuant to the notice, at the commission's regularly scheduled open public meeting on December 10, 1997, before Chair Anne Levinson, Commissioner Richard Hemstad, and Commissioner William R. Gillis. C. Robert Wallis of commission staff commented about the repeal proposal, supporting the proposal to repeal the chapters.

SUGGESTIONS FOR CHANGE THAT ARE REJECTED: No persons submitted suggestions for change in the proposal.

COMMISSION ACTION: After considering all of the information regarding this proposal, the commission repealed chapters 480-35, 480-69, and 480-150 WAC.

CHANGES FROM PROPOSAL: The commission adopted the proposal with the following changes from the text noticed at WSR 97-22-083: None.

STATEMENT OF ACTION; STATEMENT OF EFFECTIVE DATE: In reviewing the entire record, the commission determines that WAC chapters should be repealed, to take effect on the thirty-first day after filing with the code reviser.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 28.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 28.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

ORDER

THE COMMISSION ORDERS:

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1. Chapters 480-35, 480-69, and 480-150 WAC are repealed as rules of the Washington Utilities and Transportation Commission, to take effect on the thirty-first day after the date of filing with the code reviser pursuant to RCW 34.05.380(2).

2. This order, after being recorded in the register of the Washington Utilities and Transportation Commission, shall be forwarded to the code reviser for filing pursuant to chapters 80.01 and 34.05 RCW and chapter 1-21 WAC.

3. The commission adopts commission staff memoranda, presented when the commission considered filing a preproposal statement of inquiry, when it considered filing the formal notice of proposed rule making, and when it considered adoption of this proposal, in conjunction with the text of this order, as its concise explanatory statement of the reasons for repeal, as required by RCW 34.05.025.

DATED at Olympia, Washington, this 23rd day of December 1997.

Washington Utilities and Transportation Commission
Anne Levinson, Chair
Richard Hemstad, Commissioner
William R. Gillis, Commissioner

WSR 98-02-006
PERMANENT RULES
DEPARTMENT OF
LABOR AND INDUSTRIES

[Filed December 26, 1997, 10:54 a.m., effective March 1, 1998]

Date of Adoption: December 26, 1997.

Purpose: **ABRASIVE BLASTING:** Chapter 296-24 WAC, General safety and health standards and chapter 296-62 WAC, General occupational health standards.

State-initiated adopted amendments are made to consolidate rules on abrasive blasting into one standard (chapter 296-24 WAC). These rules were located in both chapters 296-24 and 296-62 WAC. The abrasive blasting language in each of these chapters was nearly identical. Additional amendments are also made to correct technical errors, rewrite awkward or confusing phrasing, add clarifying language, and move nonmandatory rules into an appendix. A summary of these adopted amendments is listed below.

Amended section WAC 296-24-67501 Purpose, minor wording changes are adopted for clarity.

Amended section WAC 296-24-67503 Scope and application, minor wording changes in the title are adopted for clarity.

Amended section WAC 296-24-67505 Selection of abrasives and equipment, minor wording changes are adopted for clarity.

Amended section WAC 296-24-67507 Definitions:

- In the definition of "abrasive," the word "granular" is adopted for clarity.
 - In the definition of "abrasive blasting respirator," the phrase "or pressure-demand supplied air respirator" is adopted to reflect new technology and the availability of an alternative type of respirator.
- In the definition of "air-line respirator," minor changes in wording are adopted for clarity.

Amended section WAC 296-24-67509 Dust hazards from abrasive blasting:

- Minor wording changes are adopted for clarity.
- A reference to "NBFU 91-1961" is deleted because this consensus standard is no longer available.
- A note is added to make reference to updated ANSI and NFPA consensus standards.
- Language from WAC 296-62-11015 is added as part of the consolidation of these two nearly identical rules. Amended section WAC 296-24-67511 Blast cleaning enclosures:
 - Minor wording changes are adopted for clarity.
 - Language from WAC 296-62-11015 is added as part of the consolidation of these two nearly identical rules. Amended section WAC 296-24-67513 Construction and maintenance of the exhaust ventilation systems:
 - The wording of the title is changed for clarity.
 - Other minor wording and format changes are adopted for clarity. Amended section WAC 296-24-67515 Personal protective equipment:
 - The wording and format is changed for clarity.
 - A note is added to provide information on the limitations of dust filters. Amended section WAC 296-24-67517 Air supply and air compressors:
 - A reference to the incorrect ANSI standard Z9.2-1960 is corrected to Z86.1-1973.
 - Minor wording and format changes are adopted for clarity. Amended section WAC 296-24-67519 Operational procedures and general safety, minor changes in wording and format are adopted for clarity.

New section WAC 296-24-67520 Ventilation this new section is added to include information from repealed WAC 296-24-67701.

New section WAC 296-24-67521 Appendix-recommended blast enclosure air velocities (nonmandatory): The non-mandatory language from repealed section WAC 296-24-67701 on blast enclosure air velocities is adopted in this new section as an appendix.

Repealed section WAC 296-24-677 Ventilation, this section is repealed. The information previously contained in this section was incorporated into two new sections, WAC 296-24-67520 and 296-24-67521.

Repealed section WAC 296-24-67701 Scope, this section is repealed. The information previously contained in this section was incorporated into two new sections, WAC 296-24-67520 and 296-24-67521.

Amended section WAC 296-62-11015 Abrasive blasting, the title of this section is retained. However, the information in this section is moved and consolidated into WAC 296-24-675 Safe practices of abrasive blasting operations. A reference to WAC 296-24-675 is added to this section.

PERSONAL PROTECTIVE EQUIPMENT - Shipyards, chapter 296-304 WAC, Safety standards for ship repairing, ship building, and ship breaking.

Federal-initiated adopted amendments relating to ship repairing, ship building, and ship breaking as published in Federal Register Volume 61, Number 102, dated May 24, 1996, and Federal Register Volume 61, Number 115, dated June 13, 1996, are made to be at-least-as-effective-as the federal standard. Some of these federal-initiated amendments will add additional compliance requirements.

State-initiated adopted amendments are made to rewrite portions of the standard for clarity and will not establish additional compliance requirements. The sole purpose of clear rule-writing portions of the proposal is for clarity and ease of use. The standard requirements or level of compliance have not changed and no new requirements are being adopted.

Amended section WAC 296-304-01001 Definitions, federal-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Add the definitions of:
 - Anchorage
 - Body belt
 - Body harness
 - Connector
 - Deceleration device
 - Deceleration distance
 - Equivalent
 - Free fall
 - Free fall distance
 - Lanyard
 - Lifeline
 - Lower levels
 - Personal fall arrest system
 - Positioning device system
 - Qualified person
 - Restraint (tether) line
 - Rope grab
- Change the definitions of "employee" and "employer" to be consistent with and at-least-as-effective-as the federal scope and application requirement which states, "Scope and application. This subpart applies to all work in shipyard employment regardless of geographic location." The adopted amendments to these definitions are as follows:

Employee: Delete the words "on the navigable waters of the United States, including dry docks, graving docks and marine railways, other than the master, ship's officers, crew of the vessel, or any person engaged by the master to repair any vessel under 18 net tons." The words "as defined in these standards" are added. The adopted definition reads: "Any person engaged in ship repairing, ship building, or ship breaking or related employment as defined in these standards."

Employer: Delete the words "on the navigable waters of the United States, including dry docks, graving docks and marine railways." The words "as defined in these standards" are added. The adopted definition reads: "An employer with employees who are employed, in whole or in part, in ship repair, ship building and ship breaking, or related employment as defined in these standards."

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Change the definition name "ship repair" to "ship repairing" to be consistent with the title of this chapter.
- Delete definition numbering as required by the state Code Reviser's Office.
- Rewrite the section for clarity.

Amended section WAC 296-304-03001 Toxic cleaning solvents, state-initiated adopted amendments in this section

will not establish additional compliance requirements and are made to rewrite WAC 296-304-03001 (1)(c) for clarity.

Amended section WAC 296-304-03003 Chemical paint and preservative removers, state-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite WAC 296-304-03003 (1), (4), and (5) for clarity.

Amended section WAC 296-304-03005 Mechanical paint removers, state-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite WAC 296-304-03005 (1)(a) and (d), (2)(a), and (3)(c)(i), (ii), (iii), (iv), and (v) for clarity.

Amended section WAC 296-304-03007 Painting, state-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite WAC 296-304-03007 (1)(a)(i), (ii), (iii), (b)(i), and (2)(m) and (n) for clarity.

Amended section WAC 296-304-05007 Access to vessels, state-initiated adopted amendments in this section will not establish additional compliance requirements and are made to add the following definitions:

- Barge
- River tow boat

Amended section WAC 296-304-06013 Health and sanitation, state-initiated adopted amendments in this section will not establish additional compliance requirements and are made to add the definition of "hazardous material."

Amended section WAC 296-304-08007 Abrasive wheels, state-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite WAC 296-304-08007(10) for clarity.

Amended section WAC 296-304-08009 Powder actuated fastening tools, state-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Rewrite WAC 296-304-08009 (1) and (2) for clarity.
- Reference the hearing conservation requirements of chapter 296-62 WAC, Part K for clarification. These are existing requirements.

Amended section WAC 296-304-090 Personal protective equipment—Scope and application, federal-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Change the title from "Personal protective equipment—Scope and application" to "Personal protective equipment (PPE)—General requirements." Language relating to scope and application is deleted because WAC 296-304-010, together with the amended definitions of employee and employer, address the chapter's scope and application and is in compliance with the federal-initiated adopted scope and application amendment.
- Include the general requirement that the employer must provide and ensure the use of PPE. This is an existing requirement in WAC 296-24-07501(1).

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Identify hearing protection in the general requirements for clarification. This is an existing requirement in chapter 296-62 WAC, Part K.
- Rewrite the section for clarity.

Amended section WAC 296-304-09001 Eye protection, federal-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Change the title from "Eye protection" to "Hazard assessment and equipment selection."
- Move information relating to eye protection to WAC 296-304-09005 for better organization of information.
- Include the requirement that the employer must assess work activities for all PPE related hazards, and inform and properly fit affected employees. This is an existing requirement in WAC 296-24-07501(2).
- Add the requirement that all PPE must be kept sanitary and disinfected when reassigned.

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite the section for clarity.

Amended section WAC 296-304-09003 Respiratory protection, federal-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Change the title from "Respiratory protection" to "Training."
- Move information relating to respiratory protection to WAC 296-304-09007 for better organization of information.
- Include the requirement that the employer must provide training and verify employee knowledge of PPE. This is an existing requirement in WAC 296-24-07501(4).

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite the section for clarity.

Amended section WAC 296-304-09005 Head, foot and body protection, federal-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Change the title from "Head, foot and body protection" to "Eye and face protection."
- Move information relating to hearing protection to WAC 296-304-09009 for better organization of information.
- Move information relating to foot protection to WAC 296-304-09013 for better organization of information.
- Move information relating to hand and body protection to WAC 296-304-09015 for better organization of information.
- Add the requirement that the employer must provide and ensure the use of eye and face protection.
- Add a table (table 1) to show required lenses for radiation protection.

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite the section for clarity.

Amended section WAC 296-304-09007 Lifesaving equipment, federal-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Change the title from "Lifesaving equipment" to "Respiratory protection."
- Move information relating to lifesaving equipment to WAC 296-304-09017 for better organization of information

and to present information in approximately the same order as the federal rule.

- Include the requirement that the employer must provide and ensure the use of respiratory equipment according to chapter 296-62 WAC, Part E to be consistent with the federal rule.

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite the section for clarity.

New section WAC 296-304-09009 Hearing protection, state-initiated adopted amendments will not establish additional compliance requirements and are made to:

- Add this new section for clarification. These are existing requirements from the general occupational health standards, chapter 296-62 WAC, Part K.
- Rewrite the section for clarity.

New section WAC 296-304-09011 Head protection, federal-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Add this new section.
- Require that the employer must provide and ensure the use of hard hats and must comply with ANSI Z89.1-1986, "American National Standard for Personnel Protection—Protective Headwear for Industrial Workers—Requirements." These are existing standard requirements (see WAC 296-24-084(2)).

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite the section for clarity.

New section WAC 296-304-09013 Foot protection, federal-initiated adopted amendments in this section will establish additional compliance requirements and are made to:

- Add this new section that states the employer must provide and ensure the use of protective footwear. This is an existing requirement under WAC 296-24-088, but is more stringent than the current requirement under WAC 296-304-09005(4).

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite the section for clarity.

New section WAC 296-304-09015 Hand and body protection, federal-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Include this new section that states the employer must provide and ensure the use of appropriate hand protection. This is an existing requirement under WAC 296-24-090 Hand protection.

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite the section for clarity.

New section WAC 296-304-09017 Lifesaving equipment, federal-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Include this new section that states the employer must provide and ensure the use of appropriate lifesaving equipment. This is an existing requirement under WAC 296-24-086 Personal flotation devices.

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite the section for clarity.

New section WAC 296-304-09019 Fall protection—General requirement, state-initiated adopted amendments in this section will not establish additional compliance requirements and are made to:

- Include this new section that states the employer must provide and ensure the use of approved fall protection equipment, such as, but not limited to personal fall arrest systems and positioning device systems when a worker is exposed to a fall greater than five feet. This is an existing requirement under WAC 296-304-05013(2).

- Rewrite the section for clarity.

New section WAC 296-304-09021 Personal fall arrest systems (PFAS), federal-initiated adopted amendments in this section will establish additional compliance requirements and are made to:

- Clarify the more stringent requirement that body belts are no longer approved as part of a fall arrest system. Only approved full body harnesses are allowed.
- Describe criteria for hardware in detail.
- Describe criteria for strength performance of PFAS.
- Describe criteria for the selection, use and care of systems and components.
- Mandate the training requirements for affected employees.

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite the section for clarity.

New section WAC 296-304-09023 Positioning device systems, federal-initiated adopted amendments in this section will establish additional compliance requirements and are made to:

- Describe criteria for hardware in detail.
- Describe criteria for strength performance of positioning device systems.
- Describe criteria for the selection, use and care of positioning device systems.
- Mandate the training requirements for affected employees.

State-initiated adopted amendments in this section will not establish additional compliance requirements and are made to rewrite the section for clarity.

Citation of Existing Rules Affected by this Order:
Amending WAC 296-24-67501 Purpose, 296-24-67503 Scope and application, 296-24-67505 Selection of abrasives and equipment, 296-24-67507 Definitions, 296-24-67509 Dust hazards from abrasive blasting, 296-24-67511 Blast cleaning enclosures, 296-24-67513 Construction and maintenance of the exhaust ventilation systems, 296-24-67515 Personal protective equipment, 296-24-67517 Air supply and air compressors, 296-24-67519 Operational procedures and general safety, 296-62-11015 Abrasive blasting, 296-304-01001 Definitions, 296-304-03001 Toxic cleaning solvents, 296-304-03003 Chemical paint and preservative removers, 296-304-03005 Mechanical paint removers, 296-304-03007 Painting, 296-304-05007 Access to vessels, 296-304-06013 Health and sanitation, 296-304-08007 Abrasive wheels, 296-304-08009 Powder actuated fastening tools, 296-304-090 Personal protective equipment—Scope and application, 296-

304-09001 Eye protection, 296-304-09003 Respiratory protection, 296-304-09005 Head, foot and body protection and 296-304-09007 Lifesaving equipment; and repealing WAC 296-24-677 Ventilation and 296-24-67701 Scope.

Statutory Authority for Adoption: RCW 49.17.040, [49.17].050, [49.17].060.

Adopted under notice filed as WSR 97-13-062 on June 17, 1997.

Changes Other than Editing from Proposed to Adopted Version: **PERSONAL PROTECTIVE EQUIPMENT - SHIPYARDS**
Amended section WAC 296-304-01001 Definitions:

- A second sentence is added to the definition of "Body belt" which states, "Body belts may be used only in fall restraint or positioning device systems and may not be used for fall arrest." WISHA does not allow the use of body belts for fall arrest. The federal standard does not allow the use of body belts for fall arrest after January 1, 1998.
- The words "body belt or" are deleted in the definition of "free fall distance" for clarity.
- A federal-identical definition of "equivalent" (which was inadvertently left out) is added for clarity and reads, "Alternative designs, materials, or methods to protect against a hazard which the employer can demonstrate will provide an equal or greater degree of safety for employees than the method or item specified in the standard."
- The phrases "which generally has" and "for connecting" are added to the definition of "lanyard" to make the definition identical to OSHA. The amended definition reads, "A flexible line of rope, wire rope, or strap which generally has a connector at each end for connecting the body belt or body harness to a deceleration device, lifeline, or anchorage."
- A federal-identical definition of "lower levels" (which was inadvertently left out) is added for clarity and reads, "Those areas or surfaces to which an employee can fall. Such areas or surfaces include but are not limited to ground levels, floors, ramps, tanks, materials, water, excavations, pits, vessels, structures, or portions thereof."
- The definition of "qualified person" was modified for clarity. The modified definition reads, "A person who has successfully demonstrated the ability to solve or resolve problems related to the subject matter and work by possessing a recognized degree or certificate of professional standing or by extensive knowledge, training, and experience."

Amended section WAC 296-304-03005 Mechanical paint removers:

- WAC 296-304-03005 (3)(c)(v): The proposed wording referencing a "safety belt and lifeline" was deleted. Since safety belts are no longer allowed for fall arrest (as discussed under WAC 296-304-01001 above) the term "personal fall arrest system" was substituted for "safety belt and lanyard" to prevent confusion. The paragraph reads, "A surge from a drop in pressure in the hose line can throw a blaster off the staging. To protect against this hazard, the employer must ensure that blaster is protected by a personal fall arrest system that meets the requirements of WAC 296-304-09021. The personal fall arrest system must be tied off to the ship

or other structure during blasting from elevations where adequate fall protection cannot be provided by railings." Amended section WAC 296-304-03007 Painting.

- Subsection numbering was modified for clarity.
- WAC 296-304-03007 (2)(i): An "s" was added to the word "nail." This was a housekeeping change.

Amended section WAC 296-304-090 Personal protective equipment—Scope and application:

- The word "an" is replaced with the federal word "each."
- The department is clarifying the meaning of the standard due to comments by the public by adding the following explanatory language at the end of the section:

"The employer must furnish the personal protective equipment at no cost to employees if:

- ◆ The intended purpose is to protect against hazardous materials (the PPE may be contaminated by hazardous materials in the course of employment), or
- ◆ The PPE is of such a nature that it would not reasonably be worn outside the worksite.

The provision of personal protective equipment which may reasonably be worn outside of the workplace is subject to labor-management negotiations, but the employer must ensure that exposed employees are wearing the appropriate PPE.

Examples of PPE that must be provided at no cost to employees include but are not limited to:

- ◆ Boots worn to protect against chemicals;
- ◆ Nonprescription protective eye wear;
- ◆ Goggles to fit over prescription eye wear;
- ◆ Metatarsal protection;
- ◆ Full body harnesses and lanyards.

Examples of PPE that provision is subject to labor-management negotiation include but are not limited to:

- ◆ Leather boots with or without steel toes;
- ◆ Coats to protect against inclement weather;
- ◆ Prescription protective eye wear (except as part of a full facepiece or hooded respirator)."

Amended section WAC 296-304-09001 Eye protection:

- WAC 296-304-09001 (1)(b): This "subdivision" was changed to a "note" for clarity. The language taken to hearing inadvertently changed a permissible practice into a requirement. The following corrected language restores the intent of the federal standard: "A hazard assessment conducted according to the trade or occupation of affected employees will be considered to comply with this requirement if it addresses all PPE-related hazards to which employees are exposed in the course of their work activities."

- The word "an" is replaced with the federal word "each." Amended section WAC 296-304-09003 Respiratory protection:

- WAC 296-304-09003(3): The referenced subsection in this paragraph was corrected from "(1)" to "(2)." This was a housekeeping correction.
- WAC 296-304-09003(4): Subdivisions "(a), (b) and (c)" in this paragraph were incorporated into the existing subsection. This was a housekeeping correction.

Amended section WAC 296-304-09005 Head, foot and body protection:

- WAC 296-304-09005 (1)(a): The word "uses" was replaced with "must use" for clarity.
- WAC 296-304-09005 (1)(b): The word "uses" was replaced with "must use" for clarity.
- WAC 296-304-09005 (1)(c):
 - The word "must" (at the end of the first sentence) was added for clarity.
 - The word "uses" was replaced with "use" for clarity.
 - The word "is" is replaced with "be" for clarity.
- WAC 296-304-09005 (1)(d): The word "uses" was replaced with "must use" for clarity.
- The word "an" is replaced with the federal word "each." New section WAC 296-304-09011 Head protection:
- The word "an" is replaced with the federal word "each." New section WAC 296-304-09013 Foot protection:
- The word "an" is replaced with the federal word "each." New section WAC 296-304-09015 Hand and body protection:
 - The word "an" is replaced with the federal word "each." New section WAC 296-304-09021 Personal fall arrest systems (PFAS).
- WAC 296-304-09021 (3)(a)(ii): This item, which referred to body belts, was deleted for clarification.
- WAC 296-304-09021 (3)(b): The words "body belts and" were deleted for clarification.
- WAC 296-304-09021 (3)(c): The word "belts" was deleted for clarification.
- WAC 296-304-09021 (3)(h): This subdivision, which referred to body belts, was deleted for clarification.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 8, amended 14, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 2, amended 11, repealed 2.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 10, amended 25, repealed 2.

Effective Date of Rule: March 1, 1998.

December 26, 1997

Gary Moore
Director

AMENDATORY SECTION (Amending Order 91-07, filed 11/22/91, effective 12/24/91)

WAC 296-62-11015 Abrasive blasting. ~~((1) Definitions:~~

~~(a) "Abrasive" means a solid substance used in an abrasive blasting operation.~~

~~(b) "Abrasive blasting respirator" means a continuous flow air line respirator constructed so that it will cover the wearer's head, neck, and shoulders to protect him from rebounding abrasive.~~

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(e) "~~Blast cleaning barrel~~" means a complete enclosure which rotates on an axis, or which has an internal moving tread to tumble the parts, in order to expose various surfaces of the parts to the action of an automatic blast spray.

(d) "~~Blast cleaning room~~" means a complete enclosure in which blasting operations are performed and where the operator works inside of the room to operate the blasting nozzle and direct the flow of the abrasive material.

(e) "~~Blasting cabinet~~" means an enclosure where the operator stands outside and operates the blasting nozzle through an opening or openings in the enclosure.

(f) "~~Clean air~~" means air of such purity that it will not cause harm or discomfort to an individual if it is inhaled for extended periods of time.

(g) "~~Dust collector~~" means a device or combination of devices for separating dust from the air handled by an exhaust ventilation system.

(h) "~~Exhaust ventilation system~~" means a system for removing contaminated air from a space, comprising two or more of the following elements (i) enclosure or hood, (ii) duct work, (iii) dust collecting equipment, (iv) exhauster, and (v) discharge stack.

(i) "~~Particulate filter respirator~~" means an air purifying respirator, commonly referred to as a dust or a fume respirator, which removes most of the dust or fume from the air passing through the device.

(j) "~~Respirable dust~~" means airborne dust in sizes capable of passing through the upper respiratory system to reach the lower lung passages.

(k) "~~Rotary blast cleaning table~~" means an enclosure where the pieces to be cleaned are positioned on a rotating table and are passed automatically through a series of blast sprays.

(l) "~~Abrasive blasting~~" means the forcible application of an abrasive to a surface by pneumatic pressure, hydraulic pressure, or centrifugal force.

(2) Dust hazards from abrasive blasting.

(a) Abrasives and the surface coatings on the materials blasted are shattered and pulverized during blasting operations and the dust formed will contain particles of respirable size. The composition and toxicity of the dust from these sources shall be considered in making an evaluation of the potential health hazards.

(b) The concentration of respirable dust or fume in the breathing zone of the abrasive blasting operator or any other worker shall be kept below the levels specified in WAC 296-62-075 through 296-62-07515.

(e) Organic abrasives which are combustible shall be used only in automatic systems. Where flammable or explosive dust mixtures may be present, the construction of the equipment, including the exhaust system and all electric wiring shall conform to the requirements of American National Standard Installation of Blower and Exhaust Systems for Dust, Stock, and Vapor Removal or Conveying, Z33.1 1961 (NFPA 91 1961), and chapter 296-24 WAC Part L. The blast nozzle shall be bonded and grounded to prevent the build-up of static charges. Where flammable or explosive dust mixtures may be present, the abrasive blasting enclosure, the ducts, and the dust collector shall be constructed with loose panels or explosion venting areas, located on sides away from any occupied area, to provide for pressure relief in case of explosion, following the principles

set forth in the National Fire Protection Association Explosion Venting Guide, NFPA 68 1954.

(3) Blast cleaning enclosures.

(a) Blast cleaning enclosures shall be exhaust ventilated in such a way that a continuous inward flow of air will be maintained at all openings in the enclosure, during the blasting operation.

(i) All air inlets and access openings shall be baffled or so arranged that by the combination of inward air flow and baffling the escape of abrasive or dust particles into an adjacent work area will be minimized and visible spurts of dust will not be observed.

(ii) The rate of exhaust shall be sufficient to provide prompt clearance of the dust-laden air within the enclosure after the cessation of blasting.

(iii) Before the enclosure is opened, the blast shall be turned off and the exhaust system shall be run for a sufficient period of time to remove the dusty air within the enclosure.

(iv) Safety glass protected by screening shall be used in observation windows, where hard deep-cutting abrasives are used.

(v) Slit abrasive-resistant baffles shall be installed in multiple sets at all small access openings where dust might escape, and shall be inspected regularly and replaced when needed.

(A) Doors shall be flanged and tight when closed.

(B) Doors on blast cleaning rooms shall be operable from both inside and outside, except that where there is a small operator access door, the large work access door may be closed or opened from the outside only.

(4) Exhaust ventilation systems.

(a) The construction, installation, inspection, and maintenance of exhaust systems shall conform to the principles and requirements set forth in American National Standard Fundamentals Governing the Design and Operation of Local Exhaust Systems, Z9.2 1960, and ANSI Z33.1 1961.

(i) When dust leaks are noted, repairs shall be made as soon as possible.

(ii) The static pressure drop at the exhaust ducts leading from the equipment shall be checked when the installation is completed and periodically thereafter to assure continued satisfactory operation. Whenever an appreciable change in the pressure drop indicates a partial blockage, the system shall be cleaned and returned to normal operating condition.

(b) In installations where the abrasive is recirculated, the exhaust ventilation system for the blasting enclosure shall not be relied upon for the removal of fines from the spent abrasive instead of an abrasive separator. An abrasive separator shall be provided for the purpose.

(c) The air exhausted from blast cleaning equipment shall be discharged through dust collecting equipment. Dust collectors shall be set up so that the accumulated dust can be emptied and removed without contaminating other working areas.

(5) Personal protective equipment. See applicable provisions of chapters 296-24 and 296-62 WAC.

(a) Abrasive blasting respirators shall be worn by all abrasive blasting operators:

(i) When working inside of blast cleaning rooms, or

~~(ii) When using silica sand in manual blasting operations where the nozzle and blast are not physically separated from the operator in an exhaust ventilated enclosure, or~~

~~(iii) Where concentrations of toxic dust dispersed by the abrasive blasting may exceed the limits set in WAC 296-62-075 through 296-62-07515 and the nozzle and blast are not physically separated from the operator in an exhaust ventilated enclosure.~~

~~(b) Particulate filter respirators, commonly referred to as dust filter respirators, properly fitted, may be used for short, intermittent, or occasional dust exposures such as cleanup, dumping of dust collectors, or unloading shipments of sand at a receiving point, when it is not feasible to control the dust by enclosure, exhaust ventilation, or other means. Respirators used shall be approved for protection against the specific type of dust encountered.~~

~~(i) Dust filter respirators may be used to protect the operator of outside abrasive blasting operations where nonsilica abrasives are used on materials having low toxicities.~~

~~(ii) Dust filter respirators shall not be used for continuous protection where silica sand is used as the blasting abrasive, or toxic materials are blasted.~~

~~(c) A respiratory protection program as defined and described in applicable provisions of chapters 296-24 and 296-62 WAC, shall be established wherever it is necessary to use respiratory protective equipment.~~

~~(d) Refer to applicable provisions of chapter 296-24 WAC for operators personal protective equipment.~~

~~(6) Operational procedures and general safety. Dust shall not be permitted to accumulate on the floor or on ledges outside of an abrasive blasting enclosure, and dust spills shall be cleaned up promptly. Aisles and walkways shall be kept clear of steel shot or similar abrasive which may create a slipping hazard.~~

~~(7) Scope. This paragraph applies to all operations where an abrasive is forcibly applied to a surface by pneumatic or hydraulic pressure, or by centrifugal force. It does not apply to steam blasting, or steam cleaning, or hydraulic cleaning methods where work is done without the aid of abrasives.)~~ Abrasive blasting is covered in the General safety and health standards WAC 296-24-675, Safe Practices of Abrasive Blasting Operations (Part H-2).

AMENDATORY SECTION (Amending Order 73-5, filed 5/9/73 and Order 73-4, filed 5/7/73)

WAC 296-24-67501 Purpose. The safety and health standards of this section are intended to protect health and to prevent injury to personnel engaged in abrasive blasting operations and to others working in the vicinity by:

(1) ~~((Control of))~~ Controlling dusts which are dispersed during abrasive blasting.

(2) ~~((Provision of))~~ Providing an adequate amount of clean air to personnel.

(3) ~~((Protection of))~~ Protecting personnel from injury from flying particles or from moving equipment.

AMENDATORY SECTION (Amending Order 73-5, filed 5/9/73 and Order 73-4, filed 5/7/73)

WAC 296-24-67505 Selection of abrasives and equipment. Each type of abrasive and each type of equipment has its particular advantages in producing the quality of work desired, and the selection will depend on the specific requirements of the user. Therefore, no rule or suggestion ~~((can be))~~ is given in this standard for the selection of a particular abrasive or of particular equipment. With properly designed equipment and proper operation and maintenance all types of abrasives and equipment can be used safely. However, abrasives which create the minimum hazard should be used wherever feasible.

AMENDATORY SECTION (Amending Order 94-07, filed 7/20/94, effective 9/20/94)

WAC 296-24-67507 Definitions. (1) Abrasive. A solid granular substance used in an abrasive blasting operation.

(2) Abrasive blasting. The forcible application of an abrasive to a surface by pneumatic pressure, hydraulic pressure, or centrifugal force.

(3) Abrasive-blasting respirator. A continuous flow airline respirator ~~((constructed))~~ or pressure-demand supplied-air respirator made so that it will cover the wearer's head, neck, and shoulders and provide protection from rebounding abrasive.

(4) Air-line respirator. A device consisting of a face-piece, helmet, or hood to which clean air is supplied to the wearer through a small-diameter hose from ~~((a source not on the wearer's body))~~ a compressed air source.

(5) Blast cleaning barrel. A complete enclosure which rotates on an axis, or which has an internal moving tread to tumble the parts, in order to expose various surfaces of the parts to the action of an automatic blast spray.

(6) Blast cleaning room. A complete enclosure in which blasting operations are performed and where the operator works inside of the room to operate the blasting nozzle and direct the flow of the abrasive material.

(7) Blasting cabinet. An enclosure where the operator stands outside and operates the blasting nozzle through an opening or openings in the enclosure.

(8) Clean air. Air of such purity that it will not cause harm or discomfort to an individual if it is inhaled for extended periods of time.

(9) Dust collector. A device or combination of devices for separating dust from the air handled by an exhaust ventilation system.

(10) Exhaust ventilation system. A system for removing contaminated air from a space, comprising two or more of the following elements; (a) enclosure or hood, (b) duct work, (c) dust collecting equipment, (d) exhauster, and (e) discharge stack.

(11) Particulate-filter respirator. An air purifying respirator, commonly referred to as a dust or a fume respirator, which removes most of the dust or fume from the air passing through the device.

(12) Respirable dust. Airborne dust in sizes capable of passing through the upper respiratory system to reach the lower lung passages.

(13) Rotary blast cleaning table. An enclosure where the pieces to be cleaned are positioned on a rotating table and are passed automatically through a series of blast sprays.

AMENDATORY SECTION (Amending Order 91-07, filed 11/22/91, effective 12/24/91)

WAC 296-24-67509 Dust hazards from abrasive blasting. (1) Dust sources. Abrasives and the surface coatings on the materials blasted are shattered and pulverized during blasting operations and the dust formed will contain particles of respirable size. The composition and toxicity of the dust from these sources ~~((shall))~~ must be considered in making an evaluation of the potential health hazards.

(2) Types of abrasives. A large variety of solid materials may be used as abrasives, with qualities varying from hard deep-cutting to soft polishing. These include; (a) mineral grains, either synthetic or natural such as silica or garnet, (b) metallic shot or grit, generally of steel or chilled cast iron, and (c) organic abrasives, such as ground corncobs or walnut shells.

Silica sand is the most hazardous mineral abrasive commonly used and its use should be limited wherever possible.

The potential hazard from steel or iron dust is considered to be minimal.

Readily combustible organic abrasives may be pulverized fine enough to be capable of forming explosive mixtures with air.

(3) Types of coatings. A surface coating formed during the fabrication of a part, or a protective coating applied after fabrication, will be removed and dispersed as a dust by abrasive blasting. The type of coating should be known to make a proper evaluation of the potential hazard.

(a) Silica sand is frequently imbedded in the surface of castings and may be pulverized by blast cleaning.

(b) Coatings containing toxic metals will add to the potential seriousness of the dust exposures. Examples of such coatings are anti-fouling paints containing mercury, lead paints on structural steel, cadmium plating, and lead deposits on pistons of internal combustion engines.

(c) Plastic or resin coatings may be decomposed by ~~((the action of the abrasives to))~~ abrasive blasting and form irritating by-products.

(4) Wet abrasive blasting. Wet methods will tend to keep dust exposures minimal, but dispersed droplets ~~((dispersed))~~ and dried residues ~~((which))~~ may become airborne ~~((may))~~ and create potential exposures.

(5) Concentrations of contaminants. The concentration of respirable dust or fumes in the breathing zone of the abrasive-blasting operator or any other worker ~~((shall))~~ must be kept below the levels ~~((recommended by chapter 296-62 WAC))~~ specified in WAC 296-62-075 through 296-62-07515.

(6) Use of combustible abrasives. Organic abrasives which are combustible ~~((shall))~~ must be used only in automatic systems because the fine dust produced presents a potential fire and explosion hazard.

(a) Where flammable or explosive dust mixtures may be present, the construction of the equipment, including the exhaust system and all electric wiring ~~((shall))~~ must conform to the requirements of American National Standard Installa-

tion of Blower and Exhaust Systems for Dust, Stock, and Vapor Removal or Conveying, Z 33.1-1961 (NFPA 91-1961 ~~((NFPA 91-1961))~~), and chapter 296-24 WAC Part L, Electrical. The blast nozzle ~~((shall))~~ must be bonded and grounded to prevent the buildup of static charges.

(b) Where flammable or explosive dust mixtures may be present, the abrasive blasting enclosure, the ducts, and the dust collector ~~((shall))~~ must be constructed with loose panels or explosion venting areas, located on sides away from any occupied area, to provide for pressure relief in case of explosion, following the principles set forth in the National Fire Protection Association Explosion Venting Guide, NFPA 68-1954.

Note: See the latest versions of NFPA-91, NFPA-68 and ANSI Z33.1 for current information on the construction of abrasive blasting equipment and enclosures.

AMENDATORY SECTION (Amending Order 73-5, filed 5/9/73 and Order 73-4, filed 5/7/73)

WAC 296-24-67511 Blast cleaning enclosures. (1) Blast cleaning enclosures ~~((These))~~ include rotary blast cleaning tables, blast cleaning barrels and drums, abrasive blasting cabinets, blast cleaning rooms, abrasive separators, and similar enclosures.

(2) ~~((Ventilation))~~ Blast cleaning enclosures ~~((shall))~~ must be exhaust ventilated in such a way that a continuous inward flow of air will be maintained at all openings in the enclosure, during the blasting operation. (See WAC ~~((296-24-677))~~ 296-24-67520 and Appendix 1.)

(3) All air inlets and access openings ~~((shall))~~ must be baffled or so arranged that by the combination of inward air flow and baffling the escape of abrasive or dust particles into an adjacent work area will be minimized, ~~((not to exceed the allowable threshold limits as specified in occupational health standards, chapter 296-62 WAC))~~ and visible spurts of dust will not be observed.

(4) The rate of exhaust ~~((shall))~~ must be sufficient to provide prompt clearance of the dust-laden air within the enclosure after ~~((the cessation of))~~ blasting stops.

(5) Before the enclosure is opened, the blast ~~((shall))~~ must be turned off and the exhaust system ~~((shall))~~ must be run for a sufficient period of time to remove the airborne dust particles within the enclosure.

(6) ~~((Observation window))~~ Safety glass protected by screening ~~((shall))~~ must be used in observation windows, where hard deep-cutting abrasives are used.

(7) ~~((Access openings))~~ Slit abrasive-resistant baffles ~~((shall))~~ must be installed in multiple sets at all small access openings where dust might escape, and ~~((shall))~~ must be inspected regularly and replaced when needed.

(8) Doors ~~((shall))~~ must be flanged and tight when closed.

(9) Doors on blast-cleaning rooms must be operable from both inside and outside, except where there is a small operator access door, the large work access door may be closed or opened from the outside only.

AMENDATORY SECTION (Amending Order 73-5, filed 5/9/73 and Order 73-4, filed 5/7/73)

WAC 296-24-67513 Construction and maintenance of the exhaust ventilation systems. (1) ~~(Exhaust systems-)~~ The construction, installation, inspection, and maintenance of exhaust systems ~~(shall)~~ must conform to the principles and requirements set forth in ~~(chapter 296-62 WAC)~~ American National Standard Fundamentals Governing the Design and Operation of Local Exhaust Systems, 29.2-1960 and ANSI Z33.1-1961.

Note: See the latest versions of ANSI Z9.2 and ANSI Z33.1 for current information on the installation, inspection and maintenance of exhaust systems.

(2) When dust leaks are noted, repairs ~~(shall)~~ must be made.

(3) The static pressure drop at the exhaust ducts leading from the equipment ~~(shall)~~ must be checked when the installation is completed and periodically thereafter to assure continued satisfactory operation.

(4) Whenever an appreciable change in the pressure drop indicates a partial blockage, the system ~~(shall)~~ must be cleaned and returned to normal operating conditions.

~~((4) Abrasive separator. In installations where the abrasive is recirculated, the exhaust ventilation system for the blasting enclosure shall not be relied upon for the removal of fines from the spent abrasive instead of an abrasive separator. An abrasive separator shall be provided for the purpose.))~~

(5) ~~(Dust collecting equipment.))~~ In installations where the abrasive is recirculated, an abrasive separator must be provided to remove fines from the spent abrasives.

(6) The air exhausted from blast cleaning equipment ~~(shall)~~ must be discharged through dust collecting equipment.

~~((6))~~ (7) Dust collectors ~~(shall)~~ must be set up so that the accumulated dust can be emptied and removed without contaminating other working areas.

Note: Disposal of waste. The fine dust from dry collectors should be emptied into and transported in enclosed containers to prevent dispersal of the fines, or discharged into a sluice with some method to assure wetting of the dust.

AMENDATORY SECTION (Amending Order 94-07, filed 7/20/94, effective 9/20/94)

WAC 296-24-67515 Personal protective equipment. (1) Respiratory protective equipment approved by the National Institute for Occupational Safety and Health (NIOSH) must be used for protection of personnel against dusts produced during abrasive-blasting operations.

(2) Abrasive-blasting respirators. Abrasive-blasting respirators ~~(shall)~~ must be worn by all abrasive-blasting operators in the following situations: (a) When working inside of blast cleaning rooms, or (b) when using silica sand in manual blasting operations except where the nozzle and blast are ~~(not)~~ physically separated from the operator in an exhaust ventilated enclosure, or (c) where concentrations of toxic dusts dispersed by the abrasive blasting may exceed the limits set in ~~(chapter 296-62))~~ WAC 296-62-075 through 296-62-07515 except where the nozzle and blast are physi-

cally separated from the operator in an exhaust-ventilated enclosure.

~~((2))~~ (3) Particulate-filter respirators.

(a) ~~(Particulate filter respirators, commonly referred to as dust filter respirators, properly fitted, may be used for short, intermittent, or occasional dust exposures such as clean up, dumping of dust collectors, or unloading shipments of sand at a receiving point, when it is not feasible to control the dust by enclosure, exhaust ventilation, or other means. Respirators used shall be approved for protection against the specific type of dust encountered.~~

(b) Dust filter respirators shall not be used for continuous protection where silica sand is used as the blasting abrasive, or toxic materials are blasted.

~~(3) Personal protective clothing. Operators shall be equipped with heavy canvas or leather gloves and aprons or equivalent protection to protect them from the impact of abrasives. Safety shoes shall be worn where there is a hazard of foot injury.~~

~~(4) Personal protective clothing, equipment and their use shall comply with the provisions of chapter 296-24 WAC, Part A2.))~~ Particulate or dust-filter respirators may be used for short, intermittent, or occasional dust exposures such as clean-up, dumping of dust collectors, or unloading shipments of sand at a receiving point, when it is not feasible to control the dust by enclosure, exhaust ventilation, or other means.

(b) Dust-filter respirators may also be used to protect the operator of outside (outdoor) abrasive-blasting operations where nonsilica abrasives are used on materials having low toxicity.

Note: The selection of a dust-filter respirator depends on the amount of dust in the breathing zone of the user. See WAC 296-62-07113 - Table 5.

(c) Dust-filter respirators used must be NIOSH-approved for protection against the specific type of dust encountered.

(d) Dust-filter respirators must be properly fitted as required in WAC 296-62-071.

(e) Dust-filter respirators must not be used for continuous protection where silica sand is used as the blasting abrasive, or when toxic materials are blasted.

(4) A respiratory protection program as required in WAC 296-62-071 must be established wherever it is necessary to use respirators.

(5) Personal protective clothing.

(a) Operators must be equipped with heavy canvas or leather gloves and aprons or equivalent protection to protect them from the impact of abrasives.

(b) Safety shoes must be worn where there is a hazard of foot injury.

(c) Equipment for protection of the eyes and face must be supplied to the operator and to other personnel working near abrasive blasting operations when the respirator design does not provide such protection.

(6) Personal protective clothing, equipment and their use must comply with WAC 296-24-075 (Part A2).

AMENDATORY SECTION (Amending Order 73-5, filed 5/9/73 and Order 73-4, filed 5/7/73)

WAC 296-24-67517 Air supply and air compressors.

(1) Clean air supply. The air for abrasive-blasting respirators ~~(shall)~~ must be free of harmful quantities of dusts,

mists, or noxious gases, and shall meet the requirements for air purity set forth in American National Standard ((Z-9.2-1969)) Z 86.1-1973.

((Note: It is preferable to provide air for an abrasive-blasting respirator by means of low pressure blowers or compressors, which do not require internal organic lubricants and which are used solely for that purpose.

~~(a) When air from the regular compressed air line of the plant is used for the abrasive-blasting respirator the following shall be complied with: A trap and carbon filter will be installed and regularly maintained, to remove oil, water, scale, and odor; a pressure-reducing diaphragm or valve will be installed to reduce the pressure down to requirements of the particular type of abrasive-blasting respirator; and an automatic control will be provided to either sound an alarm or shut down the compressor in case of over-heating.))~~

Note: It is preferable to provide air for an abrasive-blasting respirator with low pressure blowers or compressors which need no internal organic lubricants and are used solely for that purpose, as long as they provide sufficient air flow to each user as specified in Table 3 of the respirator standard, WAC 296-62-071.

(2) When air from the regular compressed air line of the plant is used for the abrasive-blasting respirator the following are required:

(a) A trap and carbon filter must be installed and regularly maintained, to remove oil, water, scale, and odor;

(b) A pressure-reducing diaphragm or valve must be installed to reduce the pressure down to requirements of the particular type of abrasive-blasting respirator;

(c) An automatic control must be provided to either sound an alarm or shut down the compressor in case of over-heating.

Note: See also WAC 296-62-07111.

AMENDATORY SECTION (Amending Order 73-5, filed 5/9/73 and Order 73-4, filed 5/7/73)

WAC 296-24-67519 Operational procedures and general safety. (1) ~~((Housekeeping.))~~ Dusts ~~((shall))~~ must not be permitted to accumulate on the floor or on ledges outside of an abrasive blasting enclosure, and dust spills ~~((shall))~~ must be cleaned up promptly, preferable by vacuum cleaning.

Note: Removal of dust accumulations from ledges and other dust catching surfaces should be done with a vacuum cleaner during a time when the plant is not in operation. The cleaning operator should wear a respirator approved for the existing conditions.

~~((a))~~ (2) Aisles and walkways ((shall)) must be kept clear of steel shot or similar abrasive which may create a slipping hazard.

Note: Pressurized tanks for abrasive supply. If a pressurized tank is used for an abrasive supply, it should be tied in with the manual control of the nozzle mentioned in WAC 296-24-65719(2) and the relief valve or opening on the tank should be located so as to be safely vented.

~~((2) Nozzles.))~~ (3) Blast cleaning nozzle ((shall)) must be equipped with an operating valve which must be held open manually.

(4) A support ((shall)) must be provided on which the nozzle may be mounted when it is not in use.

~~((3) Tempered air.))~~

Note: If taken directly from the outside of the building, the air entering a blast cleaning room through the air supply inlets should be tempered during cold weather.

NEW SECTION

WAC 296-24-67520 Ventilation. (1) The applicable minimum requirements as specified in WAC 296-62-11003 through 296-62-11013 relating to ventilation must be followed.

(2) Blast cleaning enclosures. Blast cleaning enclosures must be exhaust-ventilated so that a continuous inward flow of air is maintained at all openings in the enclosure during blasting.

(3) Air velocities. Although the performance of the equipment will be the final criterion, the exhaust ventilation must:

(a) Keep the escape of dust from the enclosure to a minimum;

(b) Maintain a reasonable visibility in blast cleaning rooms and cabinets; and

(c) Provide for rapid clearance of the dust laden air within the enclosure to permit the enclosure to be opened.

See Appendix 1 for recommendation air velocities at blast enclosure openings.

NEW SECTION

WAC 296-24-67521 Appendix 1.

Appendix 1 (Non-Mandatory) Recommended Blast Enclosure Air Velocities

Because of the wide variety of conditions, it is not possible to set rigid standards for rates of exhaust or for control velocities that will be suited to all types of enclosures and all types of work. In general, the use of free silica abrasives and the generation of toxic dusts in abrasive blasting require higher control velocities. With well designed equipment and excellent labyrinth baffling at openings it is possible to prevent the escape of abrasives and dust with lower control velocities.

Experience has indicated that optimum air velocities into blasting enclosures are needed to minimize the escape of dust from these enclosures. These recommended air velocities are as follows:

(1) Blast cleaning cabinet. The recommended inward air velocity at the hand openings is a minimum of 500 feet per minute (fpm) calculated on the free opening without the curtains. This high control velocity is needed because the operator's working position is close to the openings.

(2) Rotary blast cleaning tables. The access openings should be baffled with multiple slit-baffle curtains. The recommended inward air velocity at the access opening is 200 to 250 fpm calculated on the free opening without the curtains.

(3) Blast cleaning rooms. In blast cleaning rooms, the air inlets should be well baffled to prevent the escape of abrasive and the recommended inward air velocity at the air inlets is a minimum of 300 fpm.

(4) Abrasive separators, bucket elevators, and other accessory abrasive handling systems. The recommended inward air velocity at all openings is 200 to 250 fpm.

Note: For further information see the following references: *Recommended Industrial Ventilation Guidelines* - NIOSH 1976
Industrial Ventilation A Manual of Recommendation Practices - ACGIH latest edition.

REPEALER

The following sections of the Washington Administrative Code are repealed:

WAC 296-24-677 Ventilation.
WAC 296-24-67701 Scope.

AMENDATORY SECTION (Amending WSR 95-22-015, filed 10/20/95, effective 1/16/96)

WAC 296-304-010 Scope and application. (1) The provisions and standards of the general safety and health standards, chapters 296-24 and 296-62 WAC, and such other codes and standards as are promulgated by the department of labor and industries which are applicable to all industries, shall be applicable in the ship repairing, shipbuilding, or shipbreaking industries whenever the employees are covered under the Washington State Industrial Safety and Health Act, chapter 49.17 RCW. The rules of this chapter and the rules of the aforementioned chapters 296-24 and 296-62 WAC are applicable to all ship repairing, shipbuilding, and shipbreaking industries and operations, provided that such rules shall not be applicable to those operations under the exclusive safety jurisdiction of the federal government.

(2) The responsibility for compliance with these regulations is placed upon "employers" as defined in WAC 296-304-01001((3)).

(3) It is not the intent of these regulations to place additional responsibilities or duties on owners, operators, agents or masters of vessels unless such persons are acting as employers, nor is it the intent of these regulations to relieve such owners, operators, agents or masters of vessels from responsibilities or duties now placed upon them by law, regulation or custom.

(4) The responsibilities placed upon the competent person herein shall be deemed to be the responsibilities of the employer.

AMENDATORY SECTION (Amending WSR 95-04-006, filed 1/18/95, effective 3/10/95)

WAC 296-304-01001 Definitions. ((1)) "Shall" indicates provisions which are mandatory.

(2) "Director" means the director of the department of labor and industries or his/her designated representative.

(3) "Employer" means an employer any of whose employees are employed, in whole or in part, in ship repair or related employments as defined in these standards on the navigable waters of the United States, including dry docks, graving docks and marine railways.

(4) "Employee" means any person engaged in ship repairing, shipbuilding, or shipbreaking or related employments on the navigable waters of the United States, including dry docks, graving docks and marine railways, other than the master, ship's officers, crew of the vessel, or any person engaged by the master to repair any vessel under 18 net tons.

(5) "Gangway" means any ramp like or stair like means of access provided to enable personnel to board or leave a vessel including accommodation ladders, gangplanks and brows.

(6) "Vessel" includes every description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water, including special purpose floating structures not primarily designed for or used as a means of transportation on water.

(7) For purposes of WAC 296-304-05007, the term "barge" means an unpowered, flat bottom, shallow draft vessel including scows, earfloats and lighters. For purposes of these standards, the term does not include ship shaped or deep draft barges.

(8) For purposes of WAC 296-304-05007, the term "river tow boat" means a shallow draft, low free board, self-propelled vessel designed to tow river barges by pushing ahead. For purposes of these standards, the term does not include other towing vessels.

(9) "Shipbreaking" means any breaking down of a vessel's structure for the purpose of scrapping the vessel, including the removal of gear, equipment or any component part of a vessel.

(10) "Shipbuilding" means the construction of a vessel, including the installation of machinery and equipment.

(11) "Ship repair" means any repair of a vessel including, but not restricted to, alterations, conversions, installations, cleaning, painting, and maintenance work.

(12) "Related employment" means any employment performed as an incident to or in conjunction with ship repairing, shipbuilding or shipbreaking work, including, but not restricted to, inspection, testing and employment as a watchman.

(13) "Hazardous substance" means a substance which by reason of being explosive, flammable, poisonous, corrosive, oxidizing, irritant, or otherwise harmful is likely to cause injury.

(14) "Competent person" means a person who is capable of recognizing and evaluating employee exposure to hazardous substances or to other unsafe conditions and is capable of specifying the necessary protection and precautions to be taken to ensure the safety of employees as required by the particular regulation under the condition to which it applies. For the purposes of WAC 296-304-020, explosives and other dangerous atmospheres, WAC 296-304-030, surface preparation and preservation, and WAC 296-304-040, welding, cutting and heating, except for WAC 296-304-03007(2)(h) and 296-304-03009(1)(e), to which the above definition applies, the competent person must also meet the additional requirements of WAC 296-304-01005, Competent person.

(15) "Confined space" means a compartment of small size and limited access such as a double bottom tank, cofferdam, or other space which by its small size and confined nature can readily create or aggravate a hazardous exposure.

(16) "Enclosed space" means any space, other than a confined space, which is enclosed by bulkheads and overhead. It includes cargo holds, tanks, quarters, and machinery and boiler spaces.

(17) "Hot work" means riveting, welding, burning or other fire or spark producing operations.

(18) "Cold work" means any work which does not involve riveting, welding, burning or other fire or spark producing operations.

(19) "Portable unfired pressure vessel" means any pressure container or vessel used aboard ship, other than the ship's equipment, containing liquids or gases under pressure, excepting pressure vessels built to ICC regulations under 49 CFR Part 78, Subparts C and H.

(20) "Powder actuated fastening tool" means a tool or machine which drives a stud, pin, or fastener by means of an explosive charge.

(21) For purposes of WAC 296-304-06013, the term "hazardous material" means a material which has one or more of the following characteristics: (a) Has a flash point below 140°F., closed cup, or is subject to spontaneous heating; (b) has a threshold limit value below 500 p.p.m. in the case of a gas or vapor, below 500 mg./m.³ for fumes, and below 25 m.p.p.e.f. in case of a dust; (c) has a single dose oral LD₅₀ below 500 mg./kg.; (d) is subject to polymerization with the release of large amounts of energy; (e) is a strong oxidizing or reducing agent; (f) causes first degree burns to skin in short time exposure, or is systemically toxic by skin contact; or (g) in the course of normal operations, may produce dusts, gases, fumes, vapors, mists, or smokes which have one or more of the above characteristics.))

"Anchorage" - A secure point to attach lifelines, lanyards, or deceleration devices.

"Body belt" - A strap with means to both secure it around the waist and to attach it to a lanyard, lifeline, or deceleration device. Body belts may be used only in fall restraint or positioning device systems and may not be used for fall arrest.

"Body harness" - Straps to secure around an employee so that fall arrest forces are distributed over at least the thighs, shoulders, chest and pelvis with means to attach it to other components of a personal fall arrest system.

"Cold-work" - Work that does not involve riveting, welding, burning, or other fire-producing or spark-producing operations.

"Competent person" - A person who can recognize and evaluate employee exposure to hazardous substances or to other unsafe conditions and can specify the necessary protection and precautions necessary to ensure the safety of employees as required by these standards.

"Confined space" - A small compartment with limited access such as a double bottom tank, cofferdam, or other small, confined space that can readily create or aggravate a hazardous exposure.

"Connector" - A device used to connect parts of a personal fall arrest system or parts of a positioning device system together. It may be:

- An independent component of the system (such as a carabiner); or
- An integral component of part of the system (such as a buckle or D-ring sewn into a body belt or body harness or a snaphook spliced or sewn to a lanyard or self-retracting lanyard).

"Deceleration device" - A mechanism, such as a rope grab, rip stitch lanyard, specially woven lanyard, tearing or deforming lanyard, or automatic self-retracting lifeline/lanyard, that serves to dissipate a substantial amount of

energy during a fall arrest, or to limit the energy imposed on an employee during fall arrest.

"Deceleration distance" - The additional vertical distance a falling employee travels, excluding lifeline elongation and free fall distance, before stopping, from the point at which the deceleration device begins to operate. It is measured from the location of an employee's body belt or body harness attachment point at the moment of activation (at the onset of fall arrest forces) of the deceleration device during a fall, to the location of that attachment point after the employee comes to a full stop.

"Director" - The director of the department of labor and industries or a designated representative.

"Employee" - Any person engaged in ship repairing, ship building, or ship breaking or related employment as defined in these standards.

"Employer" - An employer with employees who are employed, in whole or in part, in ship repair, ship building and ship breaking, or related employment as defined in these standards.

"Enclosed space" - A space, other than a confined space, that is enclosed by bulkheads and overhead. It includes cargo holds, tanks, quarters, and machinery and boiler spaces.

"Equivalent" - Alternative designs, materials, or methods to protect against a hazard which the employer can demonstrate will provide an equal or greater degree of safety for employees than the method or item specified in the standard.

"Free fall" - To fall before a personal fall arrest system begins to apply force to arrest the fall.

"Free fall distance" - The vertical displacement of the fall arrest attachment point on the employee's body harness between onset of the fall and just before the system begins to apply force to arrest the fall. This distance excludes deceleration distance, and lifeline/lanyard elongation, but includes any deceleration device slide distance or self-retracting lifeline/lanyard extension before the device operates and fall arrest forces occur.

"Gangway" - A ramp-like or stair-like means to board or leave a vessel including accommodation ladders, gang-planks and brows.

"Hazardous substance" - A substance likely to cause injury because it is explosive, flammable, poisonous, corrosive, oxidizing, irritant, or otherwise harmful.

"Hot-work" - Riveting, welding, burning or other fire or spark producing operations.

"Lanyard" - A flexible line of rope, wire rope, or strap which generally has a connector at each end for connecting the body belt or body harness to a deceleration device, lifeline, or anchorage.

"Lifeline" - A component consisting of a flexible line to connect to an anchorage at one end to hang vertically (vertical lifeline), or to connect to anchorages at both ends to stretch horizontally (horizontal lifeline), and which serves as a means for connecting other components of a personal fall arrest system to the anchorage.

"Lower levels" - Those areas or surfaces to which an employee can fall. Such areas or surfaces include but are not limited to ground levels, floors, ramps, tanks, materials, water, excavations, pits, vessels, structures, or portions thereof.

"Personal fall arrest system" - A system used to arrest an employee in a fall from a working level. It consists of an anchorage, connectors, body harness and may include a lanyard, a deceleration device, a lifeline, or a suitable combination.

"Portable unfired pressure vessel" - A pressure container or vessel used aboard ship, other than the ship's equipment, containing liquids or gases under pressure. This does not include pressure vessels built to ICC regulations under 49 CFR Part 78, Subparts C and H.

"Positioning device system" - A body belt or body harness system rigged to allow an employee to be supported at an elevated vertical surface, such as a wall or window, and to be able to work with both hands free while leaning.

"Powder actuated fastening tool" - A tool or machine that drives a stud, pin, or fastener by means of an explosive charge.

"Qualified person" - A person who has successfully demonstrated the ability to solve or resolve problems related to the subject matter and work by possessing a recognized degree or certificate of professional standing or by extensive knowledge, training, and experience.

"Related employment" - Any employment related to or performed in conjunction with ship repairing, ship building or ship breaking work, including, but not limited to, inspecting, testing, and serving as a watchman.

"Restraint (tether) line" - A line from an anchorage, or between anchorages, to which the employee is secured so as to prevent the employee from walking or falling off an elevated work surface.

Note: A restraint line is not necessarily designed to withstand forces resulting from a fall.

"Rope grab" - A deceleration device that travels on a lifeline and automatically, by friction, engages the lifeline and locks to arrest the fall of an employee. A rope grab usually uses the principle of inertial locking, cam/level locking or both.

"Shall" or "must" - Mandatory.

"Ship breaking" - Breaking down a vessel's structure to scrap the vessel, including the removal of gear, equipment or any component part of a vessel.

"Ship building" - Construction of a vessel, including the installation of machinery and equipment.

"Ship repairing" - Repair of a vessel including, but not limited to, alterations, conversions, installations, cleaning, painting, and maintenance.

"Vessel" - Every watercraft for use as a means of transportation on water, including special purpose floating structures not primarily designed for or used as a means of transportation on water.

AMENDATORY SECTION (Amending WSR 95-04-006, filed 1/18/95, effective 3/10/95)

WAC 296-304-03001 Toxic cleaning solvents. (1) When toxic solvents are used, the employer shall employ one or more of the following measures to safeguard the health of employees exposed to these solvents.

(a) The cleaning operation shall be completely enclosed to prevent the escape of vapor into the working space.

(b) Either natural ventilation or mechanical exhaust ventilation shall be used to remove the vapor at the source and to dilute the concentration of vapors in the working space to a concentration which is safe for the entire work period.

(c) ~~((Employees shall be protected against toxic vapors by suitable respiratory protective equipment in accordance with the requirements of chapter 296-62 WAC, Part E and, where necessary, against exposure of skin and eyes to contact with toxic solvents and their vapors by suitable clothing and equipment.))~~ The employer must ensure that employees are protected against:

- Toxic vapors by suitable respiratory protective equipment that meets the requirements of chapter 296-62 WAC, Part E; and

- Exposure of skin and eyes to contact with toxic solvents and their vapors by suitable clothing and equipment.

(2) The principles in the threshold limit values to which attention is directed in WAC 296-304-02005 and applicable sections in chapter 296-62 WAC will be used by the department of labor and industries in enforcement proceedings in defining a safe concentration of air contaminants.

(3) When flammable solvents are used, precautions shall be taken in accordance with the requirements of WAC 296-304-03009.

AMENDATORY SECTION (Amending Order 74-25, filed 5/7/74)

WAC 296-304-03003 Chemical paint and preservative removers. (1) ~~((Employees shall be protected against skin contact during the handling and application of chemical paint and preservative removers and shall be protected against eye injury by goggles or face shields in accordance with the requirements of WAC 296-304-09001 (1) and (2).))~~ The employer must ensure that employees are protected against:

- Skin contact during the handling and application of chemical paint and preservative removers; and

- Eye injury by goggles or face shields that meet the requirements of WAC 296-304-09005 (1) and (2).

(2) When using flammable paint and preservative removers precautions shall be taken in accordance with the requirements of WAC 296-304-03009.

(3) When using chemical paint and preservative removers which contain volatile and toxic solvents, such as benzol, acetone and amyl acetate, the provisions of WAC 296-304-03001 shall be applicable.

(4) ~~((When using paint and rust removers containing strong acids or alkalis, employees shall be protected by suitable face shields to prevent chemical burns on the face and neck.))~~

(5) ~~When steam guns are used, all employees working within range of the blast shall be protected by suitable face shields. Metal parts of the steam gun itself shall be insulated to protect the operator against heat burns.))~~ The employer must ensure that employees using paint and rust removers containing strong acids or alkalis are protected by suitable face shields to prevent chemical burns on the face and neck according to the requirements of WAC 296-304-09005 (1) and (2).

(5) The employer must ensure that all employees working within range of a steam gun blast are protected by suitable face shields according to the requirements of WAC 296-304-09005 (1) and (2). Metal parts of the steam gun itself must be insulated to protect the operator against heat burns.

AMENDATORY SECTION (Amending WSR 95-04-006, filed 1/18/95, effective 3/10/95)

WAC 296-304-03005 Mechanical paint removers.

(1) Power tools.

~~(a) ((Employees engaged in the removal of paints, preservatives, rusts or other coatings by means of power tools shall be protected against eye injury by goggles or face shields in accordance with the requirements of WAC 296-304-09001(1).))~~ The employer must ensure that employees engaged in the removal of paints, preservatives, rusts or other coatings by means of power tools are protected against eye injury by goggles or face shields that meets the requirements of WAC 296-304-09005 (1) and (2).

(b) All portable rotating tools used for the removal of paints, preservatives, rusts or other coatings shall be adequately guarded to protect both the operator and nearby workers from flying missiles.

(c) Portable electric tools shall be grounded in accordance with the requirements of WAC 296-304-08003 (1) and (2).

~~(d) ((In a confined space, mechanical exhaust ventilation sufficient to keep the dust concentration to a minimum shall be used, or employees shall be protected by respiratory protective equipment in accordance with the requirements of chapter 296-62 WAC, Part E.))~~ In a confined space, the employer must provide mechanical exhaust ventilation sufficient to keep the dust concentration to a minimum, or must protect employees by respiratory protective equipment that meets the requirements of chapter 296-62 WAC, Part E.

(2) Flame removal.

~~(a) ((Hardened preservative coatings shall not be removed by flame in enclosed spaces unless the employees exposed to fumes are protected by air line respirators in accordance with the requirements of chapter 296-62 WAC, Part E. Employees performing such an operation in the open air, and those exposed to the resulting fumes, shall be protected by a fume filter type respirator in accordance with requirements of chapter 296-62 WAC, Part E.))~~ The employer must ensure that when hardened preservative coatings are removed by flame in enclosed spaces, the employees exposed to fumes are protected by air line respirators that meet the requirements of chapter 296-62 WAC, Part E. Employees performing this operation in the open air, and those exposed to the resulting fumes, must be protected by a fume filter respirator that meets the requirements of WAC 296-62-071.

(b) Flame or heat shall not be used to remove soft and greasy preservative coatings.

(3) Abrasive blasting.

(a) Equipment. Hoses and fittings used for abrasive blasting shall meet the following requirements:

(i) Hoses. Hose of a type to prevent shocks from static electricity shall be used.

(ii) Hose couplings. Hose lengths shall be joined by metal couplings secured to the outside of the hose to avoid erosion and weakening of the couplings.

(iii) Nozzles. Nozzles shall be attached to the hose by fittings that will prevent the nozzle from unintentionally becoming disengaged. Nozzle attachments shall be of metal and shall fit onto the hose externally.

(iv) Dead man control. A dead man control device shall be provided at the nozzle end of the blasting hose either to provide direct cutoff or to signal the pot tender by means of a visual and audible signal to cut off the flow, in the event the blaster loses control of the hose. The pot tender shall be available at all times to respond immediately to the signal.

(b) Replacement. Hoses and all fittings used for abrasive blasting shall be inspected frequently to insure timely replacement before an unsafe amount of wear has occurred.

(c) Personal protective equipment.

~~(i) ((Abrasive blasters working in enclosed spaces shall be protected by hoods and air fed respirators or by air helmets of a positive pressure type in accordance with the requirements of chapter 296-62 WAC, Part E.~~

~~(ii) Abrasive blasters working in the open shall be protected as indicated in (1) except that when synthetic abrasives containing less than one percent free silica are used filter type respirators approved by the Bureau of Mines for exposure to lead dusts may be used in accordance with chapter 296-62 WAC, Part E.~~

~~(iii) Employees, other than blasters, including machine tenders and abrasive recovery men, working in areas where unsafe concentrations of abrasive materials and dusts are present shall be protected by eye and respiratory protective equipment in accordance with the requirements of WAC 296-304-09001 (1) and (2) and chapter 296-62, Part E, respectively.~~

~~(iv) The blaster shall be protected against injury from exposure to the blast by appropriate protective clothing, including gloves.~~

~~(v) Since surges from drops in pressure in the hose line can be of sufficient proportions to throw the blaster off the staging, the blaster shall be protected by a safety belt and life line tied off to the ship or other structure when blasting is being done from elevations where adequate protection against falling cannot be provided by railings.))~~ The employer must ensure that abrasive blasters working in enclosed spaces are protected by abrasive blasting respirators that meet the requirements of WAC 296-24-675 and 296-62-071.

(ii) The employer must ensure that abrasive blasters working in the open are protected as required in subsection (1) of this section.

Exception: When synthetic abrasives containing less than one percent free silica are used, the employer may substitute particulate or dust filter respirators that are approved by the National Institute of Safety and Health (NIOSH) and used according to WAC 296-62-071.

(iii) The employer must ensure that employees, including machine tenders and abrasive recovery workers, working in areas where unsafe concentrations of abrasive materials and dusts are present are protected by eye and respiratory protective equipment that meets the requirements of WAC

296-304-09005 (1) and (2) and chapter 296-62 WAC, Part E.

Exception: This requirement does not apply to blasters.

(iv) The employer must ensure that a blaster is protected against injury from exposure to the blast by appropriate protective clothing, including gloves that meet the requirements of WAC 296-304-09015(1).

(v) A surge from a drop in pressure in the hose line can throw a blaster off the staging. To protect against this hazard, the employer must ensure that a blaster is protected by a personal fall arrest system, that meets the requirements of WAC 296-304-09021. The personal fall arrest system must be tied off to the ship or other structure during blasting from elevations where adequate fall protection cannot be provided by railings.

AMENDATORY SECTION (Amending WSR 95-04-006, filed 1/18/95, effective 3/10/95)

WAC 296-304-03007 Painting. ~~((+) Paints mixed with toxic vehicles or solvents.~~

~~(a) When paints mixed with toxic vehicles or solvents are sprayed, the following conditions shall apply:~~

~~(i) In confined spaces, employees continuously exposed to such spraying shall be protected by air line respirators in accordance with the requirements of chapter 296-62 WAC, Part E.~~

~~(ii) In tanks or compartments, employees continuously exposed to such spraying shall be protected by air line respirators in accordance with the requirements of chapter 296-62 WAC, Part E. Where mechanical ventilation is provided, employees shall be protected by respirators in accordance with the requirements of chapter 296-62 WAC, Part E.~~

~~(iii) In large and well ventilated areas, employees exposed to such spraying shall be protected by respirators in accordance with the requirements of chapter 296-62 WAC, Part E.~~

~~(b) Where brush application of paints with toxic solvents is done in confined spaces, or other areas where lack of ventilation creates a hazard, employees shall be protected by filter respirators in accordance with)) All respirators required by this section must meet the requirements of chapter 296-62 WAC, Part E.~~

(1) Paints mixed with toxic vehicles or solvents.

(a) When employees spray paints mixed with toxic vehicles or solvents, the employer must ensure that the following conditions are met:

(i) In confined spaces, employees continuously exposed to spraying are protected by air line respirators.

(ii) In tanks or compartments, employees continuously exposed to spraying are protected by air line respirators. Where mechanical ventilation is provided, employees are protected by respirators.

(iii) In large and well ventilated areas, employees exposed to spraying are protected by respirators.

(b) The employer must ensure that where employees apply by brush paints with toxic solvents in confined spaces or other areas where lack of ventilation creates a hazard, the employees are protected by filter respirators.

(c) When flammable paints or vehicles are used, precautions shall be taken in accordance with the requirements of WAC 296-304-03009.

(d) The metallic parts of air moving devices, including fans, blowers, and jet-type air movers, and all duct work shall be electrically bonded to the vessel's structure.

(2) Paints and tank coatings dissolved in highly volatile, toxic and flammable solvents. Several organic coatings, adhesives and resins are dissolved in highly toxic, flammable and explosive solvents with flash points below 80°F. Work involving such materials shall be done only when all of the following special precautions have been taken:

(a) Sufficient exhaust ventilation shall be provided to keep the concentration of solvent vapors below ten percent of the lower explosive limit. Frequent tests shall be made by a competent person to ascertain the concentration.

(b) If the ventilation fails or if the concentration of solvent vapors rises above ten percent of the lower explosive limit, painting shall be stopped and the compartment shall be evacuated until the concentration again falls below ten percent of the lower explosive limit. If the concentration does not fall when painting is stopped, additional ventilation to bring the concentration down to ten percent of the lower explosive limit shall be provided.

(c) Ventilation shall be continued after the completion of painting until the space or compartment is gas free. The final determination as to whether the space or compartment is gas free shall be made after the ventilating equipment has been shut off for a least ten minutes.

(d) Exhaust ducts shall discharge clear of working areas and away from sources of possible ignition. Periodic tests shall be made to ensure that the exhausted vapors are not accumulating in other areas within or around the vessel or dry dock.

(e) All motors and control equipment shall be of the explosion-proof type. Fans shall have nonferrous blades. Portable air ducts shall also be of nonferrous materials. All motors and associated control equipment shall be properly maintained and grounded.

(f) Only nonsparking paint buckets, spray guns and tools shall be used. Metal parts of paint brushes and rollers shall be insulated. Staging shall be erected in a manner which ensures that it is nonsparking.

(g) Only explosion proof lights, approved by the Underwriters' Laboratories for use in Class I, Group D atmospheres, or approved as permissible by the U.S. Bureau of Mines or the U.S. Coast Guard, shall be used.

(h) A competent person shall inspect all power and lighting cables to ensure that the insulation is in excellent condition, free of all cracks and worn spots, that there are no connections within fifty feet of the operation, that lines are not overloaded, and that they are suspended with sufficient slack to prevent undue stress or chafing.

(i) ~~((The face, eyes, head, hands and all other exposed parts of the bodies of employees handling such highly volatile paints shall be protected. All footwear shall be nonsparking, such as rubbers, rubber boots or rubber soled shoes without nails. Coveralls or other outer clothing shall be of cotton. Rubber, rather than plastic gloves shall be used because of the danger of static sparks.)) The face, eyes, head, hands and all other exposed parts of the bodies of employees handling highly volatile paints must be protected~~

according to WAC 296-304-090. All footwear must be nonsparking, such as rubbers, rubber boots or rubber soled shoes without nails. Coveralls or other outer clothing must be made of cotton. Rubber gloves, instead of plastic gloves, must be used to protect against the danger of static sparks.

(j) No matches, lighted cigarettes, cigars, or pipes, and no cigarette lighters or ferrous articles shall be taken into the area where work is being done.

(k) All solvent drums taken into the compartment shall be placed on nonferrous surfaces and shall be grounded to the vessel. Metallic contact shall be maintained between containers and drums when materials are being transferred from one to another.

(l) Spray guns, paint pots, and metallic parts of connecting tubing shall be electrically bonded, and the bonded assembly shall be grounded to the vessel.

~~(m) ((All employees continuously in a compartment in which such painting is being performed, shall be protected by air line respirators in accordance with the requirements of chapter 296-62 WAC, Part E and by suitable protective clothing. Employees entering such compartments for a limited time shall be protected by filter cartridge type respirators in accordance with the requirements of chapter 296-62 WAC, Part E.~~

~~(n) All employees doing exterior paint spraying with such paints shall be protected by suitable filter cartridge type respirators in accordance with the requirements of chapter 296-62 WAC, Part E and by suitable protective clothing.))~~
The employer must ensure that all employees continuously in a compartment in which such painting is performed, are protected by air line respirators and by suitable protective clothing. Employees entering such compartments for a limited time must be protected by filter cartridge type respirators.

(n) The employer must ensure that all employees doing exterior paint spraying with such paints are protected by suitable filter cartridge type respirators and by suitable protective clothing.

AMENDATORY SECTION (Amending Order 74-25, filed 5/7/74)

WAC 296-304-05007 Access to vessels. "Barge" - An unpowered, flat bottom, shallow draft vessel including scows, carfloats and lighters, but not ship-shaped or deep-draft barges.

"River towboat" - A shallow draft, low free board, self-propelled vessel designed to tow river barges by pushing ahead.

(1) Access to vessels afloat. The employer shall not permit employees to board or leave any vessel, except a barge or river towboat, until the following requirements have been met:

(a) Whenever practicable, a gangway of not less than 20 inches walking surface, of adequate strength, maintained in safe repair and safely secured shall be used. If a gangway is not practicable, a substantial straight ladder, extending at least 36 inches above the upper landing surface and adequately secured against shifting or slipping shall be provided. When conditions are such that neither a gangway nor a straight ladder can be used, a Jacob's ladder meeting the requirements of (4)(a) and (b) of this section may be used.

(b) Each side of such gangway, and the turntable if used, shall have a railing with a minimum height of approximately 33 inches measured perpendicularly from rail to walking surface at the stanchion, with a midrail. Rails shall be of wood, pipe, chain, wire or rope and shall be kept taut at all times.

(c) Gangways on vessels inspected and certificated by the U.S. Coast Guard are deemed to meet the foregoing requirements, except in cases where the vessel's regular gangway is not being used.

(d) The gangway shall be kept properly trimmed at all times.

(e) When a fixed tread accommodation ladder is used, and the angle is low enough to require employees to walk on the edge of the treads, cleated duckboards shall be laid over and secured to the ladder.

(f) When the lower end of a gangway overhangs the water between the ship and the dock in such a manner that there is danger of employees falling between the ship and the dock, a net or other suitable protection shall be rigged at the foot of the gangway in such a manner as to prevent employees from falling from the end of the gangway.

(g) If the foot of the gangway is more than one foot away from the edge of the apron, the space between them shall be bridged by a firm walkway equipped with railings, with a minimum height of approximately 33 inches with midrails on both sides.

(h) Supporting bridle shall be kept clear so as to permit unobstructed passage for employees using the gangway.

(i) When the upper end of the means of access rests on or flush with the top of the bulwark, substantial steps properly secured and equipped with at least one substantial handrail approximately 33 inches in height shall be provided between the top of the bulwark and the deck.

(j) Obstructions shall not be laid on or across the gangway.

(k) The means of access shall be adequately illuminated for its full length.

(1) Unless the construction of the vessel makes it impossible, the means of access shall be so located that drafts of cargo do not pass over it. In any event loads shall not be passed over the means of access while employees are on it.

(2) Access to vessels in drydock or between vessels. Gangways meeting the requirements of (1)(a), (b), (i), (j) and (l) of this section shall be provided for access from wing wall to vessel or, when two or more vessels, other than barges or river towboats, are lying abreast, from one vessel to another.

(3) Access to barges and river towboats.

(a) Ramps for access of vehicles to or between barges shall be of adequate strength, provided with side boards, well maintained and properly secured.

(b) Unless employees can step safely to or from the wharf, float, barge, or river towboat, either a ramp in accordance with the requirements of (a) of this section or a safe walkway in accordance with the requirements of (1)(g) of this section shall be provided. When a walkway is impracticable, a substantial straight ladder, extending at least 36 inches above the upper landing surface and adequately secured against shifting or slipping shall be provided. When conditions are such that neither a walkway nor a straight

ladder can be used, a Jacob's ladder in accordance with the requirements of (4) of this section may be used.

(c) The means of access shall be in accordance with the requirements of (1)(i), (j) and (k) of this section.

(4) Jacob's ladders.

(a) Jacob's ladders shall be of the double rung or flat tread type. They shall be well maintained and properly secured.

(b) A Jacob's ladder shall either hang without slack from its lashings or be pulled up entirely.

AMENDATORY SECTION (Amending Order 76-7, filed 3/1/76)

WAC 296-304-05013 Working surfaces. (1) When firebox floors present tripping hazards of exposed tubing or of missing or removed refractory, sufficient planking to afford safe footing shall be laid while work is being carried on within the boiler.

(2) ~~(When employees are working aloft, or elsewhere at elevations more than 5 feet above a solid surface, either scaffolds or a sloping ladder, meeting the requirements of this section, shall be used to afford safe footing, or the employees shall be protected by safety belts and lifelines meeting the requirements of WAC 296-304-09007(2). Employees visually restricted by blasting hoods, welding helmets, and burning goggles shall work from scaffolds, not from ladders, except for the initial and final welding or burning operation to start or complete a job such as the erection and dismantling of hung scaffolding, or other similar, nonrepetitive jobs of brief duration.)~~ The employer must provide and ensure the use of fall protection when employees work aloft or elsewhere at elevations more than 5 feet above a solid surface.

(a) Employees must be protected by the use of scaffolds, ladders, or personal protection equipment according to WAC 296-304-09021, or 296-304-09023.

(b) Employees must work from scaffolds when visually restricted by:

- Blasting hoods;
- Welding helmets; and
- Burning goggles; except
- For the initial and final welding or burning operation to start or complete a job such as the erection and dismantling of hung scaffolding; or
- Other similar, nonrepetitive jobs of brief duration.

(3) For work performed in restricted quarters, such as behind boilers and in between congested machinery units and piping, work platforms at least 20 inches wide meeting the requirements of WAC 296-304-05001 (8)(b) shall be used. Backrails may be omitted if bulkheading, boilers, machinery units, or piping afford proper protection against falling.

(4) When employees are boarding, leaving, or working from small boats or floats, they shall be protected by personal flotation devices meeting the requirements of WAC 296-304-09007(1).

AMENDATORY SECTION (Amending WSR 95-04-006, filed 1/18/95, effective 3/10/95)

WAC 296-304-06013 Health and sanitation. ~~((1) No chemical product, such as a solvent or preservative; no structural material, such as cadmium or zinc coated steel, or~~

~~plastic material; and no process material, such as welding filler metal; which is a hazardous material within the meaning of WAC 296-304-01001(21), shall be used until the employer has ascertained the potential fire, toxic, or reactivity hazards which are likely to be encountered in the handling, application, or utilization of such a material.)~~ **"Hazardous material" - A material with one or more of the following characteristics:**

• Has a flash point below 140°F, closed cup, or is subject to spontaneous heating;

• Has a threshold limit value below 500 p.p.m. in the case of a gas or vapor, below 500 mg./m.3 for fumes, and below 25 m.p.p.c.f. in case of a dust;

• Has a single dose oral LD50 below 500 mg./kg.;

• Is subject to polymerization with the release of large amounts of energy;

• Is a strong oxidizing or reducing agent;

• Causes first degree burns to skin in short time exposure, or is systematically toxic by skin contact; or

• In the course of normal operations, may produce dusts, gases, fumes, vapors, mists, or smokes that have one or more of the above characteristics.

(1) No chemical product, such as a solvent or preservative; no structural material, such as cadmium or zinc coated steel, or plastic material; and no process material, such as welding filler metal; which is a hazardous material may be used until the employer has ascertained the potential fire, toxic, or reactivity hazards which are likely to be encountered in the handling, application, or utilization of such a material.

(2) In order to ascertain the hazards, as required by subsection (1) of this section, the employer shall obtain the following items of information which are applicable to a specific product or material to be used:

(a) The name, address, and telephone number of the source of the information specified in this section preferably those of the manufacturer of the product or material.

(b) The trade name and synonyms for a mixture of chemicals, a basic structural material, or for a process material; and the chemical name and synonyms, chemical family, and formula for a single chemical.

(c) Chemical names of hazardous ingredients, including, but not limited to, those in mixtures, such as those in: (i) Paints, preservatives, and solvents; (ii) alloys, metallic coatings, filler metals and their coatings or core fluxes; and (iii) other liquids, solids, or gases (e.g., abrasive materials).

(d) An indication of the percentage, by weight or volume, which each ingredient of a mixture bears to the whole mixture, and of the threshold limit value of each ingredient, in appropriate units.

(e) Physical data about a single chemical or a mixture of chemicals, including boiling point, in degrees Fahrenheit; vapor pressure, in millimeters of mercury; vapor density of gas or vapor (air=1); solubility in water, in percent by weight; specific gravity of material (water=1); percentage volatile, by volume, at 70°F.; evaporation rate for liquids (either butyl acetate or ether may be taken as 1); and appearance and odor.

(f) Fire and explosion hazard data about a single chemical or a mixture of chemicals, including flashpoint, in degrees Fahrenheit; flammable limits, in percent by volume in air; suitable extinguishing media or agents; special fire

fighting procedures; and unusual fire and explosion hazard information.

(g) Health hazard data, including threshold limit value, in appropriate units, for a single hazardous chemical or for the individual hazardous ingredients of a mixture as appropriate, effects of overexposure; and emergency and first aid procedures.

(h) Reactivity data, including stability, incompatibility, hazardous decomposition products, and hazardous polymerization.

(i) Procedures to be followed and precautions to be taken in cleaning up and disposing of materials leaked or spilled.

(j) Special protection information, including use of personal protective equipment, such as respirators, eye protection, and protective clothing, and of ventilation, such as local exhaust, general, special, or other types.

(k) Special precautionary information about handling and storing.

(l) Any other general precautionary information.

(3) The pertinent information required by subsection (2) of this section shall be recorded either on United States Department of Labor Form LSB 00S-4, Material Safety Data Sheet, or on an essentially similar form which has been approved by the department of labor and industries. Copies of Form LSB 00S-4 may be obtained at any of the following regional offices of the occupational safety and health administration:

(a) Pacific region. (Arizona, California, Hawaii, and Nevada.)

10353 Federal Building, 450 Golden Gate Avenue, Box 36017, San Francisco, Calif. 94102.

(b) Region X, OSHA, (Alaska, Washington, Idaho, and Oregon), Federal Office Building, 909 First Avenue, Seattle, Washington 98174.

A completed MSDS form shall be preserved and available for inspection for each hazardous chemical on the worksite.

(4) The employer shall instruct employees who will be exposed to the hazardous materials as to the nature of the hazards and the means of avoiding them.

(5) The employer shall provide all necessary controls, and the employees shall be protected by suitable personal protective equipment against the hazards identified under subsection (1) of this section and those hazards for which specific precautions are required in WAC 296-304-020 through 296-304-04013.

(6) The employer shall provide adequate washing facilities for employees engaged in the application of paints or coatings or in other operations where contaminants can, by ingestion or absorption, be detrimental to the health of the employees. The employer shall encourage good personal hygiene practices by informing the employees of the need for removing surface contaminants by thorough washing of hands and face prior to eating or smoking.

(7) The employer shall not permit eating or smoking in areas undergoing surface preparation or preservation or where shiprepairing, shipbuilding, or shipbreaking operations produce atmospheric contamination.

(8) The employer shall not permit employees to work in the immediate vicinity of uncovered garbage and shall ensure that employees working beneath or on the outboard side of

a vessel are not subject to contamination by drainage or waste from overboard discharges.

(9) Requirements of chapter 296-62 WAC, Part C, hazard communication, will apply to shiprepairing, shipbuilding, and shipbreaking when potential hazards of chemicals and communicating information concerning hazards and appropriate protective equipment is applicable to an operation.

AMENDATORY SECTION (Amending Order 74-25, filed 5/7/74)

WAC 296-304-07013 Qualifications of operators. (1) When ship's gear is used to hoist materials aboard, a competent person shall determine that the gear is properly rigged, that it is in safe condition, and that it will not be overloaded by the size and weight of the lift.

(2) Only those employees who understand the signs, notices, and operating instructions, and are familiar with the signal code in use, shall be permitted to operate a crane, winch, or other power operated hoisting apparatus.

(3) No employee known to have defective uncorrected eyesight or hearing, or to be suffering from heart disease, epilepsy, or similar ailments which may suddenly incapacitate him, shall be permitted to operate a crane, winch or other power operated hoisting apparatus.

(4) No minor under eighteen years of age shall be employed in occupations involving the operation of any power-driven hoisting apparatus or assisting in such operations by work such as hooking on, loading slings, rigging gear, etc.

TABLE E-1

DIMENSIONS AND SPACING OF WOOD INDEPENDENT-POLE SCAFFOLD MEMBERS

Structural Members	Light duty (Up to 25 pounds per square foot)			Heavy duty (25 to 75 pounds per square foot)		
	Height in feet			Height in feet		
	24 or less	24-40	40-60	24 or less	24-40	40-60
Poles or uprights (in inches)	2x4	3x4 or 2x6	4x4	3x4	4x4	4x6
Bearers (in inches)	2x4	2x6	2x6	2x8	2x8	2x10
Ledgers (in inches)	2x6	2x6	2x6	2x8	2x8	2x8
Stringer (not supporting bearers) (in inches)	1x6	1x6	1x6	1x6	1x6	1x6
Braces (in inches)	1x4	1x6	1x6	1x6	1x6	1x6
Pole spacing—longitudinally (in feet)	7 1/2	7 1/2	7 1/2	7	7	7
Pole spacing—transversely (in feet)	6 1/2 min	7 1/2 min	8 1/2 min	6 1/2	10	10
Ledger spacing—vertically (in feet)	7	7	7	4 1/2	4 1/2	4 1/2

PERMANENT

TABLE E-2

SPECIFICATIONS FOR SIDE RAILS OF LADDERS

Length (in feet)	Cross section (in inches)	
	At ends	
	At ends	At center
15	1 7/8 x 2 3/4	1 7/8 x 3 3/4
16	1 7/8 x 2 3/4	1 7/8 x 3 3/4
17	1 7/8 x 3	1 7/8 x 4
18	1 7/8 x 3	1 7/8 x 4
20	1 7/8 x 3	1 7/8 x 4 1/2
24	1 7/8 x 3	1 7/8 x 4 1/2

TABLE E-3

SPECIFICATIONS FOR THE CONSTRUCTION OF HORSES

Structural Members	Height in feet		
	Up to 10	10 to 16	16 to 20
	Inches	Inches	Inches
Legs	2x4	3x4	4x6
Bearers or headers	2x6	2x8	4x6
Crossbraces	2x4	2x4	2x6
	or		
	1x8		
Longitudinal braces	2x4	2x6	2x6

TABLE E-4

SAFE CENTER LOADS FOR SCAFFOLD PLANK
OF 1,100 POUNDS FIBRE STRESS

[Codification note: The graphic presentation of this table has been varied in order that it would fall within the printing specifications for the Washington Administrative Code. The following table had lumber dimensions in the table heading typed in vertically across the page while the remainder of the table was typed horizontally on the page. The "Span in Feet" materials (6 through 16) which ran top to bottom has been switched to run left to right on the page. The "Lumber dimensions in inches" which ran left to right on the page has been switched to run top to bottom on the page.]

Lumber dimensions in inches	Span in Feet					
	6	8	10	12	14	16
A-2 x 10						
B-1 5/8 x 9 1/2	256	192	153	128	110	—
A-2 x 12						
B-1 5/8 x 11 1/2	309	232	186	155	133	116
A-3 x 8						
B-2 5/8 x 7 1/2	526	395	316	263	225	197
A-3 x 10						
B-2 5/8 x 9 1/2	667	600	400	333	286	250
A-3 x 12						
B-2 5/8 x 11 1/2	807	605	484	404	346	303

(A)—Rough lumber.
(B)—Dressed lumber.

TABLE G-1

MANILA ROPE
(in pounds or tons of 2000 pounds)

Circumference	Dia- meter in Inches	Single Leg	60°	45°	30°
3/4	1/4	120 lbs.	204 lbs.	170 lbs.	120 lbs.
1	5/16	200	346	282	200
1-1/8	3/8	270	467	380	270
1-1/4	7/16	350	605	493	350
1-3/8	15/32	450	775	635	450
1-1/2	1/2	530	915	798	530
1-3/4	9/16	690	1190	973	690
2	5/8	880	1520	1240	880
2-1/4	3/4	1080	1870	1520	1080
2-1/2	13/16	1300	2250	1830	1300
2-3/4	7/8	1540	2660	2170	1540
3	1	1800	3120	2540	1800
3-1/4	1-1/16	1.0 tons	1.7 tons	1.4 tons	1.0 tons
3-1/2	1-1/8	1.2	2.1	1.7	1.2
3-3/4	1-1/4	1.35	2.3	1.9	1.35
4	1-5/16	1.5	2.6	2.1	1.5
4-1/2	1-1/2	1.8	3.1	2.5	1.8
5	1-5/8	2.25	3.9	3.2	2.25
5-1/2	1-3/4	2.6	4.5	3.7	2.6
6	2	3.1	5.4	4.4	3.1
6-1/2	2-1/8	3.6	6.2	5.1	3.6

TABLE G-2

RATED CAPACITIES FOR IMPROVED PLOW
STEEL, INDEPENDENT WIRE ROPE CORE,
WIRE ROPE AND WIRE ROPE SLINGS
(in tons of 2000 pounds)

Rope Dia. Inches	SINGLE LEG					
	Vertical			Choker		
	A	B	C	A	B	C
6X19 CLASSIFICATION						
1/4"	.59	.56	.53	.44	.42	.40
3/8"	1.3	1.2	1.1	.98	.93	.86
1/2"	2.3	2.2	2.0	1.7	1.6	1.5
5/8"	3.6	3.4	3.0	2.7	2.5	2.2
3/4"	5.1	4.9	4.2	3.8	3.6	3.1
7/8"	6.9	6.6	5.5	5.2	4.9	4.1
1"	9.0	8.5	7.2	6.7	6.4	5.4
1- 1/8"	11.0	10.0	9.0	8.5	7.8	6.8
6X37 CLASSIFICATION						
1- 1/4"	13.	12.	10.	9.9	9.2	7.9
1- 3/8"	16.	15.	13.	12.	11.	9.6
1- 1/2"	19.	17.	15.	14.	13.	11.
1- 3/4"	26.	24.	20.	19.	18.	15.
2"	33.	30.	26.	25.	23.	20.
2- 1/4"	41.	38.	33.	31.	29.	25.

(A) - Socket or swaged terminal attachment.
(B) - Mechanical sleeve attachment.
(C) - Hand tucked splice attachment.


PERMANENT

TABLE G-3



RATED CAPACITIES FOR
IMPROVED PLOW STEEL,
INDEPENDENT WIRE ROPE CORE,
WIRE ROPE SLINGS
(in tons of 2000 pounds)

[Codification note: The graphic presentation of this table has been varied slightly in order that it would fall within the printing specifications for the Washington Administrative Code. The following table was too wide to be accommodated in the width of the WAC column. The table as codified has been divided into two tables covering the "TWO—LEG BRIDLE OR BASKET HITCH" for 6x19 Classification and for 6x37 Classification. Part One has Rope Diameter in Inches for Vertical and 60° within the two classifications. Part Two has Rope Diameter in Inches for 45° and 30° within the two classifications.]

**TWO - LEG BRIDLE OR BASKET HITCH
(TABLE G-3: Part 1—Vertical and 60° Positions)**

Rope Dia. Inches	Vertical			60° 		
	A	B	C	A	B	C
	6X19 CLASSIFICATION					
1/4"	1.2	1.1	1.0	1.0	.97	.92
3/8"	2.6	2.5	2.3	2.3	2.1	2.0
1/2"	4.6	4.4	3.9	4.0	3.8	3.4
5/8"	7.2	6.8	6.0	6.2	5.9	5.2
3/4"	10.	9.7	8.4	8.9	8.4	7.3
7/8"	14.	13.	11.	12.	11.	9.6
1"	18.	17.	14.	15.	15.	12.
1- 1/8"	23.	21.	18.	19.	18.	16.
6X37 CLASSIFICATION						
1- 1/4"	26.	24.	21.	23.	21.	18.
1- 3/8"	32.	29.	25.	28.	25.	22.
1- 1/2"	38.	35.	30.	33.	30.	26.
1- 3/4"	51.	47.	41.	44.	41.	35.
2"	66.	61.	53.	57.	53.	46.
2- 1/4"	83.	76.	66.	72.	66.	57.

**TWO - LEG BRIDLE OR BASKET HITCH
(TABLE G-3: Part 2—45° and 30° Positions)**

Rope Dia. Inches	45° 			30° 		
	A	B	C	A	B	C
	6X19 CLASSIFICATION					
1/4"	.83	.79	.75	.59	.56	.53
3/8"	1.8	1.8	1.6	1.3	1.2	1.1
1/2"	3.2	3.1	2.8	2.3	2.2	2.0
5/8"	5.1	4.8	4.2	3.6	3.4	3.0
3/4"	7.2	6.9	5.9	5.1	4.9	4.2
7/8"	9.8	9.3	7.8	6.9	6.6	5.5
1"	13.	12.	10.	9.0	8.5	7.2
1- 1/8"	16.	15.	13.	11.	10.	9.0

6X37 CLASSIFICATION

1- 1/4"	19.	17.	15.	13.	12.	10.
1- 3/8"	22.	21.	18.	16.	15.	13.
1- 1/2"	27.	25.	21.	19.	17.	15.
1- 3/4"	36.	33.	29.	26.	24.	20.
2"	47.	43.	37.	33.	30.	26.
2- 1/4"	58.	54.	47.	41.	38.	33.

- (A) - Socket or swaged terminal attachment.
- (B) - Mechanical sleeve attachment.
- (C) - Hand tucked splice attachment.

TABLE G-4

RATED CAPACITIES FOR
IMPROVED PLOW STEEL,
FIBER CORE, WIRE ROPE AND
WIRE ROPE SLINGS
(in tons of 2000 pounds)

Rope Dia. Inches	SINGLE LEG					
	Vertical			Choker		
	A	B	C	A	B	C
6X19 CLASSIFICATION						
1/4"	.55	.51	.49	.41	.38	.37
3/8"	1.2	1.1	1.1	.91	.85	.80
1/2"	2.1	2.0	1.8	1.6	1.5	1.4
5/8"	3.3	3.1	2.8	2.5	2.3	2.1
3/4"	4.8	4.4	3.9	3.6	3.3	2.9
7/8"	6.4	5.9	5.1	4.8	4.5	3.9
1"	8.4	7.7	6.7	6.3	5.8	5.0
1- 1/8"	10.	9.5	8.4	7.9	7.1	6.3
6X37 CLASSIFICATION						
1- 1/4"	12.	11.	9.8	9.2	8.3	7.4
1- 3/8"	15.	13.	12.	11.	10.	8.9
1- 1/2"	17.	16.	14.	13.	12.	10.
1- 3/4"	24.	21.	19.	18.	16.	14.
2"	31.	28.	25.	23.	21.	18.

- (A) - Socket or swaged terminal attachment.
- (B) - Mechanical sleeve attachment.
- (C) - Hand tucked splice attachment.


TABLE G-5

RATED CAPACITIES FOR IMPROVED PLOW
STEEL, FIBER CORE, WIRE ROPE SLINGS
(in tons of 2000 pounds)

[Codification note: The graphic presentation of this table has been varied slightly in order that it would fall within the printing specifications for the Washington Administrative Code. The following table was too wide to be accommodated in the width of the WAC column. The table as codified has been divided into two tables covering the "TWO - LEG BRIDLE OR BASKET HITCH" for 6x19 Classification and for 6x37 Classification. Part One has Rope Diameter in Inches for Vertical and 60° within the two classifications. Part Two has Rope Diameter in Inches for 45° and 30° within the two classifications.]



PERMANENT

TWO - LEG BRIDLE OR BASKET HITCH
(TABLE G-5: Part 1—Vertical and 60° Positions)

Rope Dia. Inches	Vertical			60° 		
	A	B	C	A	B	C
6X19 CLASSIFICATION						
1/4	1.1	1.0	.99	.95	.88	.85
3/8	2.4	2.2	1.9	2.1	1.9	1.8
1/2	4.3	3.9	3.7	3.7	3.4	3.2
5/8	6.7	6.2	5.6	5.8	5.3	4.8
3/4	9.5	8.8	7.8	8.2	7.6	6.8
7/8	13.	12.	10.	11.	10.	8.9
1	17.	15.	13.	14.	13.	11.
1- 1/8	21.	19.	17.	18.	16.	14.

6X37 CLASSIFICATION						
1- 1/4	25.	22.	20.	21.	19.	17.
1- 3/8	30.	27.	24.	26.	23.	20.
1- 1/2	35.	23.	28.	30.	27.	24.
1- 3/4	48.	43.	38.	41.	37.	33.
2	62.	55.	49.	53.	48.	43.

TWO - LEG BRIDLE OR BASKET HITCH
(TABLE G-5: Part 2—45° and 30° Positions)

Rope Dia. Inches	45° 			30° 		
	A	B	C	A	B	C
6X19 CLASSIFICATION						
1/4	.77	.72	.70	.55	.51	.49
3/8	1.7	1.6	1.5	1.2	1.1	1.1
1/2	3.0	2.8	2.6	2.1	2.0	1.8
5/8	4.7	4.4	4.0	3.3	3.1	2.8
3/4	6.7	6.2	5.5	4.8	4.4	3.9
7/8	9.1	8.4	7.3	6.4	5.9	5.1
1	12.	11.	9.4	8.4	7.7	6.7
1- 1/8	15.	13.	12.	10.	9.5	8.4

6X37 CLASSIFICATION						
1-1/4	17.	16.	14.	12.	11.	9.8
1-3/8	21.	19.	17.	15.	13.	12.
1-1/2	25.	22.	20.	17.	16.	14.
1-3/4	34.	30.	27.	24.	21.	19.
2	43.	39.	35.	31.	28.	25.

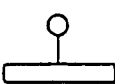



- (A) - Socket or swaged terminal attachment.
- (B) - Mechanical sleeve attachment.
- (C) - Hand tucked splice attachment.

TABLE G-6
NUMBER AND SPACING OF U-BOLT WIRE ROPE CLIPS

Improved plow steel rope diameter inches	Number of Clips		Minimum spacing (inches)
	Drop forged	Other material	
* .....	...	...	3
1/2	3	4	3 3/4
5/8	3	4	4 1/2
3/4	4	5	5 1/4
7/8	4	5	6
1	4	6	6 3/4
1 1/8	5	6	7 1/2
1 1/4	5	7	8 1/4
1 3/8	6	7	9
1 1/2	6	8	

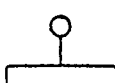



*Three clips shall be used on wire size less than 1/2-inch diameter.

TABLE G-7
WROUGHT IRON CHAIN
(in pounds or tons of 2000 pounds)

Nominal Size Chain Stock Inch	Single Leg 	60° 	45° 	30° 
* 1/4	1060	1835	1500	1060
* 5/16	1655	2865	2340	1655
3/8	2385	2.1	3370	2385
* 7/16	3250	2.8	2.3	3250
1/2	12.1	13.7	13.0	12.1
* 9/16	12.7	14.6	13.8	12.7
5/8	13.3	15.7	14.7	13.3
3/4	14.8	18.3	16.7	14.8
7/8	16.5	11.2	19.2	16.5
1	18.5	14.7	12.0	18.5
1- 1/8	10.0	17.3	14.2	10.0
1- 1/4	12.4	21.4	17.5	12.4
1- 3/8	15.0	25.9	21.1	15.0
1- 1/2	17.8	30.8	25.2	17.8
1- 5/8	20.9	36.2	29.5	20.9
1- 3/4	24.2	42.0	34.3	24.2
1- 7/8	27.6	47.9	39.1	27.6
2	31.6	54.8	44.8	31.6

*These sizes of wrought iron chain are no longer manufactured in the United States.

TABLE G-8
ALLOY STEEL CHAIN
(in tons of 2000 pounds)

Nominal Size Chain Stock Inch	Single Leg 	60° 	45° 	30° 
1/4	1.62	2.82	2.27	1.62
3/8	3.30	5.70	4.65	3.30
1/2	5.62	9.75	7.90	5.62

PERMANENT

5/8	8.25	14.25	11.65	8.25
3/4	11.5	19.9	16.2	11.5
7/8	14.3	24.9	20.3	14.3
1	19.3	33.4	27.3	19.8
1- 1/8	22.2	38.5	31.5	22.2
1- 1/4	28.7	49.7	40.5	28.7
1- 3/8	33.5	58.0	47.0	33.5
1- 1/2	39.7	68.5	56.0	39.7
1- 5/8	42.5	73.5	59.5	42.5
1- 3/4	47.0	81.5	62.0	47.0

Inert gas metal arc welding (ferrous) 1/16 to 5/32 inch electrodes	12
Shielded metal arc welding 3/16 to 1/4 inch electrodes	12
5/16 and 3/8 inch electrodes	14
Atomic hydrogen welding	10 to 14
Carbon arc welding	14

TABLE G-9

MAXIMUM ALLOWABLE WEAR AT ANY POINT OF LINK

Chain size in inches	Maximum allowable wear in fraction of inches
1/4 (9/32)	3/64
3/8	5/64
1/2	7/64
5/8	9/64
3/4	5/32
7/8	1 1/64
1	3/16
1 1/8	7/32
1 1/4	1/4
1 3/8	9/32
1 1/2	5/16
1 3/4	1 1/32

TABLE G-10

SAFE WORKING LOADS FOR SHACKLES (in tons of 2,000 pounds)

Material size (inches)	Pin diameter (inches)	Safe working load
1/2	5/8	1.4
5/8	3/4	2.2
3/4	7/8	3.2
7/8	1	4.3
1	1 1/8	5.6
1 1/8	1 1/4	6.7
1 1/4	1 3/8	8.2
1 3/8	1 1/2	10.0
1 1/2	1 5/8	11.9
1 3/4	2	16.2
2	2 1/4	21.2

(TABLE I-1

FILTER LENSES FOR PROTECTION AGAINST RADIANT ENERGY

Operation	Shade No.
Soldering	2
Torch brazing	3 or 4
Light cutting, up to 1 inch	3 or 4
Medium cutting, 1-6 inches	4 or 5
Light gas welding, up to 1/8 inch	4 or 5
Medium gas welding 1/8-1/2 inch	5 or 6
Heavy gas welding, over 1/2 inch	6 or 8
Shielded metal arc welding 1/16 to 5/32 inch electrodes	10
Inert gas metal arc welding (nonferrous) 1/16 to 5/32 inch electrodes	11

Table I-1A

FILTER LENSES FOR PROTECTION AGAINST RADIANT ENERGY

OPERATIONS	ELECTRODE SIZE 1/32 IN	ARC CURRENT	MINIMUM PROTECTIVE SHADE
<u>Shielded metal arc welding</u>	<u>Less than 3</u>	<u>Less than 60</u>	<u>7</u>
	<u>3-5</u>	<u>60-160</u>	<u>8</u>
	<u>5-8</u>	<u>160-250</u>	<u>10</u>
	<u>More than 8</u>	<u>250-550</u>	<u>11</u>
<u>Gas metal arc welding and flux cored arc welding</u>		<u>Less than 60</u>	<u>7</u>
		<u>60-160</u>	<u>10</u>
		<u>160-250</u>	<u>10</u>
		<u>250-550</u>	<u>10</u>
<u>Gas Tungsten arc welding</u>		<u>Less than 50</u>	<u>8</u>
		<u>50-150</u>	<u>8</u>
		<u>150-500</u>	<u>10</u>
<u>Air carbon arc cutting</u>	<u>(Light)</u>	<u>Less than 500</u>	<u>10</u>
	<u>(Heavy)</u>	<u>500-1000</u>	<u>11</u>
<u>Plasma arc welding</u>		<u>Less than 20</u>	<u>6</u>
		<u>20-100</u>	<u>8</u>
		<u>100-400</u>	<u>10</u>
		<u>400-800</u>	<u>11</u>
<u>Plasma arc cutting</u>	<u>(Light)**</u>	<u>Less than 300</u>	<u>8</u>
	<u>(Medium)**</u>	<u>300-400</u>	<u>9</u>
	<u>(Heavy)**</u>	<u>400-800</u>	<u>10</u>
<u>Torch brazing</u>	<u>---</u>	<u>---</u>	<u>3</u>
<u>Torch soldering</u>	<u>---</u>	<u>---</u>	<u>2</u>
<u>Carbon Arc welding</u>	<u>---</u>	<u>---</u>	<u>14</u>

** These values apply where the actual arc is clearly seen. Lighter filters may be used when the arc is hidden by the workplace.

Table I-1B

FILTER LENSES FOR PROTECTION AGAINST RADIANT ENERGY

OPERATIONS	PLATE THICKNESS... INCHES	PLATE THICKNESS... MM	MINIMUM* PROTECTIVE SHADE
<u>Gas welding</u>	<u>Light</u>	<u>Under 3.2</u>	<u>4</u>
	<u>Medium</u>	<u>3.2 - 12.7</u>	<u>5</u>
	<u>Heavy</u>	<u>Over 12.7</u>	<u>6</u>
<u>Oxygen cutting</u>	<u>Light</u>	<u>Under 25</u>	<u>3</u>
	<u>Medium</u>	<u>25 - 100</u>	<u>4</u>
	<u>Heavy</u>	<u>Over 150</u>	<u>5</u>

*As rule of thumb, start with a shade that is too dark to see the weld zone. Then go to a lighter shade which gives sufficient view of the weld zone without going below the minimum. In oxyfuel gas welding or cutting where the torch produces a high yellow light, it is desirable to use a filter lens that absorbs the yellow or sodium line in the viable light of the (spectrum) operation.

AMENDATORY SECTION (Amending Order 74-25, filed 5/7/74)

WAC 296-304-08007 Abrasive wheels. (1) Floor stand and bench mounted abrasive wheels used for external grinding shall be provided with safety guards (protection hoods). The maximum angular exposure of the grinding wheel periphery and sides shall be not more than 90 degrees, except that when work requires contact with the wheel below the horizontal plane of the spindle, the angular exposure shall not exceed 125 degrees. In either case the exposure shall begin not more than 65 degrees above the horizontal

plane of the spindle. Safety guards shall be strong enough to withstand the effect of a bursting wheel.

(2) Floor and bench mounted grinders shall be provided with work rests which are rigidly supported and readily adjustable. Such work rests shall be kept a distance not to exceed 1/8 inch from the surface of the wheel.

(3) Cup type wheels use for external grinding shall be protected by either a revolving cup guard or a band type guard in accordance with the provisions of the United States of American Standard Safety Code for the Use, Care, and Protection of Abrasive Wheels, B7.1.1970. All other portable abrasive wheels used for external grinding shall be

provided with safety guards (protection hoods) meeting the requirements of (5) of this section, except as follows:

(a) When the work location makes it impossible, in which case a wheel equipped with safety flanges as described in (6) of this section shall be used.

(b) When wheels 2 inches or less in diameter which are securely mounted on the end of a steel mandrel are used.

(4) Portable abrasive wheels used for internal grinding shall be provided with safety flanges (protection flanges) meeting the requirements of (6) of this section, except as follows:

(a) When wheels 2 inches or less in diameter which are securely mounted on the end of a steel mandrel are used.

(b) If the wheel is entirely within the work being ground while in use.

(5) When safety guards are required, they shall be so mounted as to maintain proper alignment with the wheel, and the guard and its fastenings shall be of sufficient strength to retain fragments of the wheel in case of accidental breakage. The maximum angular exposure of the grinding wheel periphery and sides shall not exceed 180 degrees.

(6) When safety flanges are required, they shall be used only with wheels designed to fit the flanges. Only safety flanges of a type and design and properly assembled so as to insure that the pieces of the wheel will be retained in case of accidental breakage shall be used.

(7) All abrasive wheels shall be closely inspected and ring tested before mounting to ensure that they are free from cracks or defects.

(8) Grinding wheels shall fit freely on the spindle and shall not be forced on. The spindle nut shall be tightened only enough to hold the wheel in place.

(9) The power supply shall be sufficient to maintain the rated spindle speed under all conditions of normal grinding. The rated maximum speed of the wheel shall not be exceeded.

(10) ~~((All employees using abrasive wheels shall be protected by eye protection equipment in accordance with requirements of WAC 296-304-09001 (1) and (2), except when adequate eye protection is afforded by eye shields which are permanently attached to the bench or floor stand.))~~ The employer must ensure that all employees using abrasive wheels are protected by eye protection equipment that meets the requirements of WAC 296-304-09005 (1) and (2), except when adequate eye protection is provided by eye shields permanently attached to the bench or floor stand.

AMENDATORY SECTION (Amending WSR 95-04-006, filed 1/18/95, effective 3/10/95)

WAC 296-304-08009 Powder-actuated fastening tools. ((Powder-actuated fastening tool operators shall comply with, and tools shall be designed, constructed, maintained and used in accordance with the requirements specified in chapter 296-24 WAC, Part H 1, general safety and health standards.)) (1) The employer must ensure powder-actuated fastening tools are used, designed, constructed, and maintained according to the requirements of WAC 296-24-663, Safety requirements for powder-actuated fastening systems.

(2) The employer must ensure that employees using powder-actuated fastening tools are protected by personal

protective equipment that meets the requirements of WAC 296-304-09005 (1) and (2). The employer must also meet the hearing conservation requirements of the general occupational health standards, chapter 296-62 WAC, Part K.

AMENDATORY SECTION (Amending Order 74-25, filed 5/7/74)

WAC 296-304-090 Personal protective equipment(~~Scope and application~~) (PPE)—General requirements. ((All sections of this chapter which include WAC 296-304-090 in the section number apply to personal protective equipment.)) The employer must provide and ensure that each affected employee uses the appropriate personal protective equipment (PPE) for the eyes, face, head, extremities, torso, and respiratory system, including protective clothing, protective shields, hearing protection, protective barriers, personal fall protection equipment, and life saving equipment, wherever the employee is exposed to hazards that require the use of PPE. The employer must furnish the personal protective equipment at no cost to employees if:

- The intended purpose is to protect against hazardous materials (the PPE may be contaminated by hazardous materials in the course of employment);
- or
- The PPE is of such a nature that it would not reasonably be worn outside the worksite.

The provision of personal protective equipment which may reasonably be worn outside of the workplace is subject to labor-management negotiations, but the employer must ensure that exposed employees are wearing the appropriate PPE.

Examples of PPE that must be provided at no cost to employees include but are not limited to:

- Boots worn to protect against chemicals;
- Nonprescription protective eye wear;
- Goggles to fit over prescription eye wear;
- Metatarsal protection;
- Full body harnesses and lanyards.

Examples of PPE that provision is subject to labor-management negotiation include but are not limited to:

- Leather boots with or without steel toes;
- Coats to protect against inclement weather;
- Prescription protective eye wear (except as part of a full facepiece or hooded respirator).

AMENDATORY SECTION (Amending Order 76-7, filed 3/1/76)

WAC 296-304-09001 ((Eye protection.)) Hazard assessment and equipment selection. ((1) General precautions:

(a) All eye protection equipment required by these regulations shall meet the specifications prescribed by the American Standard Safety Code for Head, Eye and Respiratory Protection, Z2.1.

(b) Eye protection equipment shall be maintained in good condition.

(c) Eye protection equipment which has previously been used shall be cleaned and disinfected before it is issued by the employer to another employee.

~~(d) Employees who wear corrective spectacles while engaged in eye hazardous work shall be protected by eye protection equipment of a type which can be worn over personal spectacles, except that glasses with prescription ground safety lenses may be worn in lieu of cover goggles when such glasses provide suitable protection against the hazard involved.~~

~~(2) Protection against impact.~~

~~(i) In any operations such as chipping, caulking, drilling, riveting, grinding, and pouring babbitt metal, in which the eye hazard of flying particles, molten metal, or liquid chemical exists, employees shall be protected by suitable face shields or goggles meeting the requirements of (1) of this section.~~

~~(3) Protection against radiant energy.~~

~~(a) In any operation in which the eye hazard of injurious light rays or other radiant energy exists, depending upon the intensity of the radiation to which employees are exposed, they shall be protected by spectacles, cup goggles, helmets, hand shields, or face shields equipped with filter lenses meeting the requirements of (1) and (3)(b) of this section.~~

~~(b) Filter lenses shall be of a shade number appropriate to the type of work to be performed as indicated in Table I-1 in WAC 296-304-07011, except that variations of one or two shade numbers are permissible to suit individual preferences.~~

~~(c) If filter lenses are used in the goggles worn under the helmet, the shade number of the lens in the helmet may be reduced so that the sum of the shade numbers of the two lenses will equal the value shown in Table I-1 in WAC 296-304-07011.)~~ (1) The employer must assess its work activity to determine if hazards that require the use of personal protective equipment (PPE) are present, or are likely to be present.

(a) If such hazards are present, or likely to be present, the employer must:

(i) Select, and require each affected employee to use, PPE that will protect the employee from the hazards identified in the hazard assessment;

(ii) Inform the affected employee what types of PPE to use;

(iii) Select PPE that properly fits the affected employee;

and
(iv) Verify that the hazard assessment has been performed through a document that contains the following information:

- Work activity evaluated;
- Occupation;
- Date(s) of the hazard assessment; and
- The name of the person performing the hazard assessment.

Note: A hazard assessment conducted according to the trade or occupation of affected employees will be considered to comply with this requirement if it addresses all PPE - related hazards to which employees are exposed in the course of their work activities.

(2) The employer must ensure that employees do not use defective or damaged PPE.

(3) The employer must ensure that all unsanitary PPE, including all previously used PPE, is cleaned and disinfected before it is reissued.

AMENDATORY SECTION (Amending Order 93-04, filed 9/22/93, effective 11/1/93)

WAC 296-304-09003 ((Respiratory protection-))
Training. ~~((The respiratory protection requirements of the general occupational health standards, chapter 296-62 WAC Part E, shall apply.))~~ The employer must provide training to each employee for whom PPE is required by this section.

(1) Each employee whose work activities require the use of PPE must be trained to know at least the following:

(a) When PPE is necessary;

(b) What PPE is necessary;

(c) How to properly put on, take off, adjust, and wear PPE;

(d) The limitations of the PPE; and

(e) The proper care, maintenance, useful life and disposal of the PPE.

(2) The employer must ensure that each affected employee demonstrates the ability to use PPE properly before being allowed to perform work where its use is required.

(3) The employer must retrain any employee who does not understand or display the skills required by subsection (2) of this section. Circumstances where retraining is required include, but are not limited to, situations where:

(a) Changes in occupation or work make previous training obsolete; or

(b) Changes in the types of PPE to be used make previous training obsolete; or

(c) Inadequacies in an affected employee's knowledge or use of assigned PPE indicate that the employee has not retained the understanding or skill.

(4) The employer must verify that each affected employee has received the required training through a document that contains the following information:

• Name of each employee trained;

• Date(s) of training; and

• Type of training the employee received.

AMENDATORY SECTION (Amending Order 74-25, filed 5/7/74)

WAC 296-304-09005 ((Head, foot and body)) Eye and face protection. (1) ((When employees are working in areas where there is danger of falling objects they shall be protected by protective hats.

(2) Protective hats shall meet the specifications contained in the United States of America Standard Safety Code for Head, Eye, and Respiratory Protection, Z89.1-1969. Hats without dielectric strength shall not be used where there is the possibility of contact with electric conductors.

(3) Protective hats which have been previously worn shall be cleaned and disinfected before they are issued by the employer to another employee.

(4) The employer shall arrange through means, such as vendors or local stores, or otherwise, to make safety shoes readily available to all employees, and shall encourage their use. Metal toe caps from which the covering has been worn shall be insulated when employees are working on exposed energized circuits of the vessel's electrical systems.

(5) Employees shall not be permitted to wear excessively greasy clothing when performing hot work operations.

~~(6) Employees shall be protected by suitable gloves when engaged in operations hazardous to their hands.) The employer must provide each affected employee with eye and face protection according to the following requirements:~~

~~(a) Each affected employee must use appropriate eye or face protection when exposed to eye or face hazards caused by flying particles, molten metal, liquid chemicals, acid or caustic liquids, chemical gases or vapors, or potentially injurious light radiation.~~

~~(b) Each affected employee must use eye or face protection that provides side protection when there is a hazard from flying objects. A detachable side protector (e.g., a clip-on or slide-on side shield) that meets the requirements of this section is acceptable.~~

~~(c) Each affected employee who wears prescription lenses must:~~

~~• Use eye protection that incorporates the prescription in its design; or~~

~~• Be protected by eye protection that can be worn over prescription lenses without disturbing the proper position of either the PPE or the prescription lenses.~~

~~(d) Each affected employee must use equipment with filter lenses of a shade that provides appropriate protection from injurious light radiation. Tables I-1A and I-1B lists the appropriate shade numbers for various operations. If filter lenses are used in goggles worn under a helmet with a lens, the shade number of the lens in the helmet may be reduced so that the shade numbers of the two lenses will equal the value shown in the Tables I-1A and I-1B.~~

~~(2) The employer must ensure that all protective eye and face devices meet the following criteria:~~

~~(a) Protective eye and face devices purchased after February 20, 1995, comply with the American National Standards Institute, ANSI Z87.1-1989, "Practice for Occupational and Educational Eye and Face Protection," or the employer demonstrates that the devices are equally effective.~~

~~(b) Eye and face protective devices purchased before February 20, 1995, comply with "American National Standard Practice for Occupational and Educational Eye and Face Protection, Z87.1-1979," or the employer demonstrates that the devices are equally effective.~~

AMENDATORY SECTION (Amending Order 76-7, filed 3/1/76)

WAC 296-304-09007 ((Lifesaving equipment.))
Respiratory protection. (((1) Personal flotation devices.

~~(a) Any personal flotation device shall be approved by the U.S. Coast Guard as a Type I PFD, Type II PFD, Type III PFD, or Type V PFD, or their equivalent, pursuant to 46 CFR 160 (Coast Guard Table of Devices Equivalent to Personal Flotation Devices.)~~

~~(b) Prior to each use, personal flotation devices shall be inspected for dry rot, chemical damage, or other defects which may affect their strength and buoyancy. Defective personal flotation devices shall not be used.~~

~~(2) Safety belts and lifelines.~~

~~(a) Safety belts shall be equipped with lifelines which in use are secured with a minimum of slack to a fixed structure.~~

~~(b) Prior to each use, belts and lifelines shall be inspected for dry rot, chemical damage, or other defects~~

~~which may affect their strength. Defective belts and lifelines shall not be used.~~

~~(e) When employees are working in any location requiring a safety belt and a lifeline, care shall be exercised to ensure that the lifeline is not cut, pinched, or led over a sharp edge. In hot work operations or those involving the use of acids, solvents, or caustics, the line shall be kept clear to avoid its being burned or weakened. In order to keep the lifeline continuously attached with a minimum of slack to a fixed structure the attachment point of the lifeline shall be appropriately changed as the work progresses.~~

~~(3) Life rings and ladders.~~

~~(a) At least three 30 inch Coast Guard approved life rings with lines attached shall be kept in easily visible and readily accessible places aboard each vessel afloat on which work is being performed. Life rings shall be located, one forward, one aft, and one on the gangway, except on vessels under 200 feet in length, in which case one at the gangway will be sufficient.~~

~~(b) At least one life ring with a line attached shall be located on each staging float alongside a vessel on which work is being performed.~~

~~(c) At least 90 feet of line shall be attached to each life ring. Life rings and lines shall be maintained in good condition.~~

~~(d) In the vicinity of each vessel afloat on which work is being performed there shall be at least one portable or permanent ladder of sufficient length to assist employees to reach safety in the event that they fall into the water.) The employer must provide respiratory protection that meets the requirements of the general occupational health standards, chapter 296-62 WAC, Part E.~~

NEW SECTION

WAC 296-304-09009 Hearing protection. The employer must meet the hearing conservation requirements of the general occupational health standards, chapter 296-62 WAC, Part K.

NEW SECTION

WAC 296-304-09011 Head protection. (1) The employer must provide each affected employee with head protection according to the following requirements:

(a) Each affected employee wears a protective helmet when working in areas where there is a potential for injury to the head.

(b) Each affected employee wears a protective helmet designed to reduce electrical shock hazards where there is potential for electric shock or burns from contact with exposed electrical conductors that could contact the head.

(2) The employer must ensure that all protective helmets meet the following criteria:

(a) Protective helmets purchased before February 20, 1995, comply with the "American National Standard Safety Requirements for Industrial Head Protection, Z89.1-1969," or the employer demonstrates that they are equally effective.

(b) Protective helmets purchased after February 20, 1995, comply with ANSI Z89.1-1986, "Personnel Protection—Protective Headwear for Industrial Workers—Requirements," or the employer demonstrates that they are equally effective.

NEW SECTION

WAC 296-304-09013 Foot protection. (1) The employer must ensure that each affected employee wears protective footwear when working in areas where:

- There is a danger of foot injuries from falling or rolling objects;
- There is a danger of foot injuries from objects piercing the sole; or
- Where an employee's feet are exposed to electrical hazards.

(2) The employer must ensure that all protective footwear meets the following criteria:

(a) Protective footwear purchased before February 20, 1995, complies with the ANSI standard "USA Standard for Men's Safety-Toe Footwear," ANSI Z41-1983, or the employer demonstrates that footwear is equally effective.

(b) Protective footwear purchased after February 20, 1995, complies with ANSI Z41-1991, "American National Standard for Personal Protection—Protective Footwear," or the employer demonstrates that footwear is equally effective.

NEW SECTION**WAC 296-304-09015 Hand and body protection.**

The employer must ensure that each affected employee uses appropriate hand protection and other protective clothing where there is exposure to hazards such as:

- Skin absorption of harmful substances;
- Severe cuts or lacerations;
- Severe abrasions;
- Punctures;
- Chemical burns;
- Thermal burns;
- Harmful temperature extremes; and
- Sharp objects.

(1) Hot work operations. The employer must ensure that an employee's clothing is free from flammable or combustible materials (such as grease or oil) while engaged in hot work operations or working near an ignition or oxygen source.

(2) Electrical protective devices. The employer must ensure that each affected employee wears protective electrical insulating gloves and sleeves or other electrical protective equipment, if that employee is exposed to electrical shock hazards while working on electrical equipment.

NEW SECTION**WAC 296-304-09017 Lifesaving equipment.**

(1) Personal flotation devices (PFD).

(a) The employer must ensure that each personal flotation device (life preservers, life jackets and work vests) worn by an affected employee is:

- United States Coast Guard (USCG) approved and marked Type I PFD, Type II PFD, or Type III PFD; or
- USCG approved Type V PFD, marked for use as a work vest, for commercial use, or for use on vessels.

Note: The requirements for USCG approval are in 46 CFR Part 160, Subpart Q, Coast Guard Lifesaving Equipment Specifications.

(b) The employer must ensure that each personal flotation device is inspected before use for dry rot, chemical

damage, or other defects that may affect its strength and buoyancy. Defective personal flotation devices shall not be used.

(2) Ring life buoys and ladders.

(a) The employer must ensure that when work is performed on a floating vessel 200 feet (61 m) or more in length, at least three 30-inch (0.76 m) U.S. Coast Guard approved ring life buoys with lines attached are located in readily visible and accessible places. Ring life buoys must be located one forward, one aft, and one at the access to the gangway.

(b) On floating vessels under 200 feet (61 m) in length, at least one 30-inch (0.76 m) U.S. Coast Guard approved ring life buoy with line attached must be located at the gangway.

(c) At least one 30-inch (0.76 m) U.S. Coast Guard approved ring life buoy with a line attached must be located on each staging alongside of a floating vessel on which work is performed.

(d) At least 90 feet (27 m) of line must be attached to each ring life buoy.

(e) There must be at least one portable or permanent ladder near each floating vessel on which work is performed. The ladder must be long enough to help an employee reach safety in the event of a fall into the water.

NEW SECTION

WAC 296-304-09019 Fall protection—General requirement. The employer must provide and ensure the use of fall protection when employees work aloft or elsewhere at elevations more than 5 feet above a solid surface.

NEW SECTION

WAC 296-304-09021 Personal fall arrest systems (PFAS). Personal fall arrest systems must meet the requirements of this section.

(1) The employer must ensure that connectors and anchorages meet the following criteria:

(a) Connectors are made of drop forged, pressed, or formed steel or of materials with equivalent strength.

(b) Connectors have a corrosion-resistant finish, and all surfaces and edges are smooth to prevent damage to the interfacing parts of the system.

(c) D-rings and snaphooks can sustain a minimum tensile load of 5,000 pounds (22.2 Kn).

(d) D-rings and snaphooks are proof-tested to a minimum tensile load of 3,600 pounds (16 Kn) without cracking, breaking, or being permanently deformed.

(e) Snaphooks lock and are designed and used to prevent disengagement of the snaphook by contact of the snaphook keeper with the connected part.

(f) On suspended scaffolds or similar work platforms with horizontal lifelines that may become vertical lifelines, the devices used for connection to the horizontal lifeline can lock in any direction on the lifeline.

(g) Anchorages used for attachment of personal fall arrest equipment are independent of any anchorage used to support or suspend platforms.

(h) Anchorages can support at least 5,000 pounds (22.2 Kn) per employee attached, or are designed, installed, and used as follows:

(i) As part of a complete personal fall arrest system that maintains a safety factor of at least two; and
 (ii) Under the direction and supervision of a qualified person.

(2) The employer must ensure that lifelines, lanyards, and personal fall arrest systems meet the following criteria:

(a) When vertical lifelines are used, each employee has a separate lifeline.

(b) Vertical lifelines and lanyards have a minimum tensile strength of 5,000 pounds (22.2 Kn).

(c) Self-retracting lifelines and lanyards that automatically limit free fall distances to 2 feet (0.61 m) or less can sustain a minimum tensile load of 3000 pounds (13.3 Kn) applied to a self-retracting lifeline or lanyard with the lifeline or lanyard in the fully extended position.

(d) Self-retracting lifelines and lanyards which do not limit free fall distance to 2 feet (0.61 m) or less, ripstitch lanyards and tearing and deforming lanyards can sustain a minimum static tensile load of 5,000 pounds (22.2 Kn) applied to the device when they are in the fully extended position.

(e) Horizontal lifelines are designed, installed, and used under the supervision of a qualified person, and only used as part of a complete personal fall arrest system that maintains a safety factor of at least two.

Note: The system strength needs below are based on a maximum combined weight of employee and tools of 310 pounds. If combined weight is more than 310 pounds, appropriate allowances must be made or the system will not be in compliance.

(f) Effective April 20, 1998, the employer must ensure that personal fall arrest systems:

(i) Limit the maximum arresting force on a falling employee to 1,800 pounds (8 Kn) when used with a body harness;

(ii) Bring a falling employee to a complete stop and limit the maximum deceleration distance an employee travels to 3.5 feet (1.07 m); and

(iii) Are strong enough to withstand twice the potential impact energy of an employee free falling a distance of 6 feet (1.8 m), or the free fall distance permitted by the system, whichever is less.

(g) The employer must ensure that personal fall arrest systems are rigged so that an employee can neither free fall more than 6 feet (1.8 m) nor contact any lower level.

(3) The employer must select, use, and care for systems and system components according to the following requirements:

(a) Lanyards are attached to employees using personal fall arrest systems, as follows:

The attachment point of a body harness is in the center of the wearer's back near the shoulder level, or above the wearer's head. If the maximum free fall distance is 20 inches, the attachment point may be located in the chest position.

(b) Ropes and straps (webbing) used in lanyards, lifelines and strength components of body harnesses are made from synthetic fibers or wire rope.

(c) Ropes, harnesses, and lanyards are compatible with their hardware.

(d) Lifelines and lanyards are protected against cuts, abrasions, burns from hot work operations and deterioration by acids, solvents, and other chemicals.

(e) Personal fall arrest systems are inspected before each use for mildew, wear, damage, and other deterioration. Defective components are removed from service.

(f) Personal fall arrest systems and components subjected to impact loading are immediately removed from service and not used again for employee protection until inspected and determined by a qualified persons to be undamaged and suitable for reuse.

(g) The employer must provide for prompt rescue of employees in the event of a fall or must ensure that employees are able to rescue themselves.

(h) Personal fall arrest systems and components are used only for employee fall protection and not to hoist materials.

(4) Training. Before using personal fall arrest equipment, the employer must ensure that each affected employee is trained to understand the application limits of the equipment and proper hook-up, anchoring, and tie-off techniques. Affected employees must also be trained to demonstrate the proper use, inspection, and storage of their equipment.

NEW SECTION

WAC 296-304-09023 Positioning device systems.

The employer must ensure that positioning device systems and their use meet the requirements of this section.

(1) The employer must ensure that connectors and anchorages meet the following criteria:

(a) Connectors have a corrosion-resistant finish, and all surfaces and edges are smooth to prevent damage to interfacing parts of this system.

(b) Connecting assemblies have a minimum tensile strength of 5,000 pounds (22.2 Kn).

(c) Positioning device systems are secured to an anchorage that can support at least twice the potential impact load of an employee's fall.

(d) Only locking type snaphooks are used in positioning device systems.

(2) The employer must ensure that positioning device systems meet the following criteria:

(a) Restraint (tether) lines have a minimum breaking strength of 3,000 pounds (13.3 Kn).

(b) Beginning April 20, 1998, the following system performance criteria for positioning device systems are met:

(i) A window cleaner's positioning system can withstand without failure, a drop test consisting of a 6-foot (1.83 m) drop of a 250-pound (113 kg) weight. The system limits the initial arresting force to a maximum of 2,000 pounds (8.89 Kn), with a maximum duration of 2 milliseconds. The system limits any subsequent arresting forces imposed on the falling employee to a maximum of 1,000 pounds (4.45 Kn);

(ii) All other positioning device systems can withstand without failure a drop test consisting of a 4-foot (1.2 m) drop of a 250-pound (113 kg) weight.

(3) The employer must ensure that a positioning device system is used and cared for according to the following requirements:

(a) Positioning device systems are inspected before each use for mildew, wear, damage, and other deterioration. Defective components are removed from service.

(b) A positioning device system or component subjected to impact loading is immediately removed from service and not used again for employee protection, unless inspected and determined by a qualified person to be undamaged and suitable for reuse.

(4) Training. Before using a positioning device system, the employer must ensure that employees are trained in the application limits, proper hook-up, anchoring and tie-off techniques, methods of use, inspection, and storage of positioning device systems.

WSR 98-02-011
PERMANENT RULES
UTILITIES AND TRANSPORTATION
COMMISSION

[General Order No. R-446, Docket No. A-970591—Filed December 29, 1997, 2:20 p.m.]

In the matter of amending chapters 480-04 and 480-11 WAC, relating to public access to information and records and SEPA procedures.

STATUTORY OR OTHER AUTHORITY: The Washington Utilities and Transportation Commission takes this action under Notice No. WSR 97-22-081, filed with the code reviser on November 4, 1997. The commission brings this proceeding pursuant to RCW 80.01.040, 80.04.160, 81.04.160.

STATEMENT OF COMPLIANCE: This proceeding complies with the Open Public Meetings Act (chapter 42.30 RCW), the Administrative Procedure Act (chapter 34.05 RCW), the State Register Act (chapter 34.08 RCW), the State Environmental Policy Act of 1971 (chapter 34.21C RCW), and the Regulatory Fairness Act (chapter 19.85 RCW).

DATE OF ADOPTION: The commission adopted this rule on December 10, 1997.

CONCISE STATEMENT OF PURPOSE AND EFFECT OF THE RULE: The proposal would update the commission's rules on access to public documents and on SEPA compliance by stating current address and communication instructions, by updating references, and by revising language for clarity in understanding by persons subject to the rule.

REFERENCE TO AFFECTED RULES: This rule repeals, amends, or suspends the following sections of the Washington Administrative Code: Chapter 480-04 WAC, all sections are amended; chapter 480-11 WAC, all sections are amended.

PREPROPOSAL STATEMENT OF INQUIRY AND ACTIONS THEREUNDER: The commission filed a preproposal statement of inquiry (CR-101) on August 14, 1997, at WSR 97-17-047. The commission did the following to involve interested persons in rule development before filing the notice of proposed rule making: Written comments were invited and oral comments were invited via scheduling of a workshop. No persons commented orally or in writing upon the proposed changes to these chapters.

ADDITIONAL NOTICE AND ACTIVITY PURSUANT TO PREPROPOSAL STATEMENT: The statement advised interested persons that the commission was considering entering a rule making on the amending and updating commission rules in chapter 480-04 WAC, Public access to information and records, chapter 480-09 WAC, Procedure, and chapter 480-

11 WAC, SEPA procedures. The commission also informed persons of the inquiry into this matter by providing notice of the subject and the CR-101 to all persons on the commission's list of persons requesting such information pursuant to RCW 34.05.320(3) and by sending a notice to attorneys who practice before the commission. Pursuant to the notice, the commission did hold a workshop on the topic and did invite written comments.

NOTICE OF PROPOSED RULE MAKING: The commission filed a notice of proposed rule making (CR-102) on November 4, 1997, at WSR 97-22-081. The commission scheduled this matter for oral comment and adoption under Notice No. WSR 97-22-081 at 9:00 a.m., Wednesday, December 10, 1997, in the Commission's Hearing Room, Second Floor, Chandler Plaza Building, 1300 South Evergreen Park Drive S.W., Olympia, WA. The notice provided interested persons the opportunity to submit written comments to the commission.

MEETINGS OR WORKSHOPS; ORAL COMMENTS: No persons commented orally upon the proposed changes to these rules.

COMMENTERS (WRITTEN COMMENTS): The commission received no written comments about proposed changes to these chapters.

RULE-MAKING HEARING: The rule change proposal was considered for adoption, pursuant to the notice, at the commission's regularly scheduled open public meeting on December 10, 1997, before Chair Anne Levinson, Commissioner Richard Hemstad, and Commissioner William R. Gillis. The commission heard oral comments from C. Robert Wallis, representing commission staff, supporting the adoption with further changes in language to enhance readability. No other interested person made oral comments.

SUGGESTIONS FOR CHANGE THAT ARE REJECTED: None.

COMMISSION ACTION: After considering all of the information regarding this proposal, the commission adopted the proposed rule amendments with the changes noted below.

CHANGES FROM PROPOSAL: The commission adopted the proposal with the following changes from the text noticed at WSR 97-22-081: Numerous editorial changes were proposed by commission staff and made to enhance readability and understanding. None were intended to accomplish substantive changes.

STATEMENT OF ACTION; STATEMENT OF EFFECTIVE DATE: In reviewing the entire record, the commission determines that chapters 480-04 and 480-11 WAC should be amended to read as set forth in Appendix A, as rules of the Washington Utilities and Transportation Commission, to take effect pursuant to RCW 34.05.380(2) on the thirty-first day after filing with the code reviser.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 15, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 15, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

ORDER

THE COMMISSION ORDERS:

1. Chapters 480-04 and 480-11 WAC are amended to read as set forth in Appendix A, as rules of the Washington Utilities and Transportation Commission, to take effect on the thirty-first day after the date of filing with the code reviser pursuant to RCW 34.05.380(2).

2. This order and the rule set out below, after being recorded in the register of the Washington Utilities and Transportation Commission, shall be forwarded to the code reviser for filing pursuant to chapters 80.01 and 34.05 RCW and chapter 1-21 WAC.

3. The commission adopts the commission staff memoranda, presented when the commission considered filing a preproposal statement of inquiry, when it considered filing the formal notice of proposed rule making, and when it considered adoption of this proposal, in conjunction with the text of this order, as its concise explanatory statement of the reasons for adoption, as required by RCW 34.05.025.

DATED at Olympia, Washington, this 23rd day of December 1997.

Washington Utilities and Transportation Commission
Anne Levinson, Chair
Richard Hemstad, Commissioner
William R. Gillis, Commissioner

APPENDIX "A"

AMENDATORY SECTION (Amending Order R-368, Docket No. A-910530, filed 3/5/92, effective 4/5/92)

WAC 480-04-020 Definitions. (1) Public records. "Public record" includes any writing containing information relating to the conduct of government or the performance of any governmental or proprietary function prepared, owned, used or retained by the commission regardless of physical form or characteristics.

(2) Writing. "Writing" means handwriting, typewriting, printing, photostating, photographing, and every other means of recording any form of communication or representation (including). "Writing" includes letters, words, pictures, sounds, symbols, or combination thereof, and all; telefacsimile copies, papers, maps, magnetic or paper tapes, photographic films and prints, magnetic or punched cards, diskettes, drums, and other documents.

(3) Washington utilities and transportation commission. The Washington utilities and transportation commission, referred to as "the commission" in these rules, is the commission appointed by the governor (pursuant to) under RCW 80.01.010.

Where appropriate, the term "commission" also refers to the staff and employees of the Washington utilities and transportation commission.

(4) Secretary. "Secretary" means the secretary of the commission. (Except as) Unless otherwise (provided)

restricted, the term "secretary" also refers to the acting secretary and to the secretary's designee.

(5) You. The word "you" in this chapter means a person who requests access to public records.

AMENDATORY SECTION (Amending Order R-412, Docket No. TV-940121, filed 5/4/94, effective 6/4/94)

WAC 480-04-030 (Description of central and field) Organization of the Washington utilities and transportation commission. (1) The Washington utilities and transportation commission consists of three members (who are) appointed by the governor (pursuant to) under RCW 80.01.010. The governor designates one member as the (chairman) commission chair.

(2) The administrative office of the commission, also known as the headquarters office, is located at 1300 S. Evergreen Park Drive S.W., Olympia, Washington. Its mailing address is Washington Utilities & Transportation Commission, 1300 S Evergreen Park Dr SW, PO Box 47250, Olympia WA 98504-7250. Its telephone number is (360) 753-6423. The commission maintains no other offices.

(3) The commission is organized into the following principal parts: Regulatory services division; administrative services division; (transportation division; utilities division;) policy planning and research section; public affairs section; and (regulatory affairs) legal, accounting, and policy development section. The head(s) of (the listed parts are) each section or division is responsible directly to the commissioners. (They are housed in the commission's headquarters office.

(4) The commission has two regional offices, each of which is in the charge of a regional manager. Each of the offices is open during customary commission hours. As of the effective date of this rule, the addresses of the commission's regional offices were as follows:

Table with 2 columns: Office, Address. Row (a) Kent Region, West Meeker Square, 1313 West Meeker Ave., Kent, WA 98032, (206) 859-1727. Row (b) Spokane Region, East 6204 Dean, Spokane, WA 99206, (509) 533-2475.

Because regional office addresses may change from time to time, current addresses and telephone numbers should be obtained from the local telephone directory or from the commission's administrative office.

(5) Each regional office maintains one or more field offices. The addresses and office hours of the various field offices are available at the regional offices and the commission's administrative office.)

AMENDATORY SECTION (Amending Order R-368, Docket No. A-910530, filed 3/5/92, effective 4/5/92)

WAC 480-04-050 Public information; public (submittals) submissions or requests other than requests for public documents. (1) General information concerning (utilities and transportation matters subject to) topics within

PERMANENT

the commission's jurisdiction is available through the commission's administrative office, ~~((district offices, and field offices))~~ and on the commission's internet home page. The home page address at the time this rule is adopted is <http://www.wutc.wa.gov>.

(2) ~~((Information concerning whether a common or contract carrier of solid waste or motor freight currently has operating authority, the scope of that authority, and the current commission published tariffs of carriers of motor freight, may be obtained by requesting the information from the commission's))~~ Anyone may request information from the commission administrative office, ~~((from the manager of any district office, or from a commission field agent at any field office. Requests for inspection or copying of records which are the source of such information must comply with WAC 480-04-090. Because some information may not be readily available in a district or field office, staff may be unable to process a request for information made to a district or field office as promptly as a request made to the commission's administrative office))~~ concerning whether a common or contract carrier of solid waste or household goods currently has operating authority; the scope of that authority; and the carriers' current tariffs.

(3) ~~((Documents or))~~ Written requests for information should be submitted to the office of the secretary of the commission. ~~((Written communications should be in the form and should contain the information prescribed in WAC 480-09-100.))~~

(4) Requests for information may also be made by telephone ~~((to the commission's public number, and will be routed))~~ or electronic mail. The commission will do its best to route the inquiry to staff who can assist the requester.

AMENDATORY SECTION (Amending Order R-368, Docket No. A-910530, filed 3/5/92, effective 4/5/92)

WAC 480-04-060 Public records available; hours for inspection and copying. (1) Except as otherwise provided by RCW 42.17.310 (exempt records), RCW 42.17.260(6) (lists of individuals requested for commercial purposes), RCW 80.04.095 (records containing commercial information), WAC 480-09-015, these rules, and other provisions of the law, all public records of the commission, as defined in WAC 480-04-020(1), are available for public inspection and copying.

(2) The commission shall act promptly on requests for inspection and copying.

(3) The commission ~~((shall))~~ will respond in accordance with these rules to requests received by mail for identifiable public records.

(4) Public records ~~((shall be))~~ are available for inspection and copying during the commission's customary office hours ~~((For purposes of this chapter, the customary office hours of the commission's administrative and district offices shall be))~~ which are from 8:00 a.m. to 5:00 p.m., Monday through Friday, excluding legal holidays.

AMENDATORY SECTION (Amending Order R-368, Docket No. A-910530, filed 3/5/92, effective 4/5/92)

WAC 480-04-065 Records index. The commission will publish and index its significant adjudicative decisions;

declaratory orders; ~~((and))~~ interpretive statements; and policy statements.

(1) Each month, the commission will publish ~~((separately))~~ and make available to subscribers its adjudicative ~~((decisions))~~ orders entered the prior month which resolve contested issues or which it believes will be of interest or significance. ~~((The commission))~~ Each publication will include declaratory orders and; interpretive and policy statements; and will include a summary of the decisions, orders, and statements ~~((with each publication)).~~

(2) The commission will annually publish indices of the principles which are applied in the text of published orders and statements entered during the prior year.

(3) The publications will be available for sale at the commission's estimated actual cost of reproduction and distribution. They will also be available for inspection during office hours ~~((in each district office of the commission and))~~ in the ~~((commission's library))~~ commission branch of the Washington state library, at the commission's office in Olympia.

AMENDATORY SECTION (Amending Order R-368, Docket No. A-910530, filed 3/5/92, effective 4/5/92)

WAC 480-04-070 Public records officer. The secretary of the commission is the commission's public records officer ~~((of the commission))~~ for all records maintained by the commission. The secretary's office is located in the commission's administrative office. ~~((As the commission's))~~ The public records officer ~~((, the secretary shall be))~~ is responsible for implementing the commission's rules ~~((and regulations regarding))~~ about release of public records; coordinating the staff of the commission in this regard; and for compliance by the staff with the public records disclosure requirements of chapter 42.17 RCW.

AMENDATORY SECTION (Amending Order R-368, Docket No. A-910530, filed 3/5/92, effective 4/5/92)

WAC 480-04-090 Requests for public records. ~~((RCW 42.17.250 through 42.17.320 require that agencies prevent unreasonable invasions of privacy, protect public records from damage or disorganization, and prevent excessive interference with essential functions of the agency, and RCW 80.04.095 protects records containing commercial information. To allow compliance with those statutes, public records (other than public information identified in WAC 480-04-050) may be inspected or copies of such records may be obtained, by members of the public, in accordance with the following procedures:~~

(1) A request shall be made in writing upon a form prescribed by the commission or in a letter containing equivalent supporting information. The prescribed form shall be available at the commission's administrative office and at each of its district and field offices.

(2) A request shall be made during the commission's customary office hours.

(3) ~~A)~~ (1) Many requests for public records can be handled quickly and informally. You may ask to look at a document, or get a copy of a document. You may ask orally, in person or by telephone. You may also ask informally in writing, by letter or electronic mail. Requests may be made by electronic mail to records@wutc.wa.gov.

Commission staff will advise you if a written request is required.

(2) The commission normally requires a written request.

(a) If you ask for large quantities of information, or have a list or an unusual request, the commission may need a written record to make sure that you get all the information you have requested, or to make sure that the charges are proper.

(b) If the information that you want might be within one of the exceptions to the law requiring disclosure, the commission may need a written request to make sure that the decision is made properly, by the right person, and that you get the response you are entitled to. Examples of information that might be exempt from disclosure include documents that have been designated "confidential" by the person providing them to the commission, documents containing private or personal information, and documents that may be involved in litigation or hearings.

(3) If you need to make a written request for information, you may use a "public records request" form provided by the commission or you may write a letter that contains the information listed below. If you want to use the form, you can get a copy at the commission's office or you can ask to have it sent to you.

(4) You should take or send written requests for documents to the secretary of the commission. You may give the request ((may be initiated at any office of the commission, by giving the written request)) to the receptionist or to any other available commission staff member; except that a request for a record ((or portion thereof)) which has been designated as confidential under the provisions of RCW 80.04.095 or WAC 480-09-015 must be submitted to the secretary of the commission as ((provided in)) required by WAC 480-09-015(5). ((Mailed requests should be addressed to the secretary of the commission.

(4)) (5) A request shall include the following information:

(a) ((The name of the person requesting the record;
(b) The time of day and calendar date on which the request is made;

(c) If the person requesting the record represents another individual or organization on whose behalf the request is made, the identity of such individual or organization;

(d) A statement, heading or other clear indication that the request is a request for inspection and/or copying of public records, and a statement of the nature of the access requested (copying or inspection, or both);

(e) A description of the record requested sufficiently specific to allow the record to be readily identified. A reference to the requested record as it is described in the current index maintained by the secretary of the commission will be helpful in identifying it;

(f)) Your name and address.

(b) When you are making the request.

(c) For whom (the individual, business, or other organization) you are making the request, if not only for yourself personally.

(d) A clear indication (such as in a heading or title) that you are requesting public records, to help make sure that the request is handled properly.

(e) Whether you want to inspect the document or get a copy of it, or both.

(f) A description of the record you want that is clear enough that commission staff can find the record. If you know how it is described in the index maintained by the commission, that would be helpful in identifying it.

(g) A statement of whether a purpose of the request is to obtain a list of individuals to be used for commercial purposes.

((5)) (6) Commission staff will make a reasonable effort to assist in identifying and ((securing)) providing the public record ((requested)).

(7) The commission may waive the need for a completed form when doing so supports the commission's administrative convenience and is not inconsistent with legal requirements or public policies.

AMENDATORY SECTION (Amending Order R-368, Docket No. A-910530, filed 3/5/92, effective 4/5/92)

WAC 480-04-095 Disclosure procedure. (1) ~~((If a request is incomplete or otherwise deficient,))~~ The secretary ~~((or the secretary's designee))~~ will promptly notify ~~((the requester of the deficiency which has been identified in the request,))~~ you if commission staff finds that the request is incomplete, and will ~~((endeavor to))~~ tell you what the problem is. The secretary will assist ~~((the requester))~~ you in completing or correcting ~~((the))~~ your request. Notifying ~~((the requester))~~ you of a deficiency is not a denial of ~~((the))~~ your request. The secretary may ~~((take action))~~ act on a deficient request to the extent ~~((appropriate, consistent with the commission's obligation to respond promptly to requests for public records))~~ that doing so is reasonable.

(2) Upon ~~((the receipt of))~~ receiving a ~~((sufficient))~~ complete request, the secretary ~~((or the secretary's designee shall))~~ will review ~~((a))~~ the requested record~~((s))~~ to determine whether the record or a portion of ~~((the record))~~ it is exempt from disclosure under ~~((the provisions of RCW 42.17.260, 42.17.310, or other))~~ any provision of law. The review shall ~~((include a determination of))~~ also determine whether any of the requested records include confidential information, as defined in ~~((WAC 480-09-015, is being requested, and whether the record or any portion of the record has been designated as confidential under the provisions of RCW 80.04.095 and WAC 480-09-015))~~ pertinent law.

(3) To the extent required to ~~((prevent an unreasonable invasion of))~~ protect the personal privacy interests protected by RCW 42.17.310 and 42.17.315, the commission will delete identifying details from a public record when it makes the record available or publishes it. ~~((In each case))~~ When ever that happens, the ~~((justification))~~ commission will explain the reasons for the deletion ~~((will be explained in writing)).~~

(4) Only the secretary~~((, or in the absence of the secretary, the acting secretary,))~~ is authorized to deny requests for public records ~~((under these rules)).~~ Any action other than ~~((the))~~ granting ~~((of))~~ access to public records, when taken by a person other than the secretary ~~((or acting secretary)),~~ is a deferral of action, and not a denial of a request. Any commission staff member who does not grant access to a public record ~~((upon))~~ when a ~~((sufficient))~~ complete written request is made must immediately ~~((remit))~~ take or send the requested document together with the

written request to the secretary (~~(or acting secretary)~~) for a prompt decision granting or denying the request.

(5) ~~((A response by the secretary or acting secretary refusing, in whole or part, inspection of any public record shall specify the reasons for the denial, in writing, at the time of the denial, including a statement of the specific exemption authorizing the withholding of the record and a brief explanation of how the exemption applies to the record withheld. The remainder of the record shall be promptly disclosed.))~~ If the secretary refuses to grant access to all or part of a public record, the secretary shall give you a written statement identifying the exemption authorizing the action and how it applies to the requested record. Any portion of the record that is not subject to exemption shall be promptly disclosed.

(6) Records containing "confidential information."

(a) If a requested record contains information that ~~((the information provider))~~ has been designated confidential under ~~((the provisions of))~~ RCW 80.04.095 and WAC 480-09-015, and ~~((the requester has))~~ you have not specifically ~~((requested))~~ asked for confidential information, the secretary shall ~~((advise the requester))~~ tell you that material ~~((in the file or group of documents))~~ has been designated confidential, and ~~((shall confirm))~~ make sure that ~~((the requester is requesting such))~~ you do want the confidential information, ~~((prior to))~~ before processing the request ~~((under WAC 480-09-015)).~~

(b) ~~((To the extent))~~ A request ~~((is))~~ for a record ~~((or portion thereof))~~ designated as confidential under ~~((the provisions of))~~ RCW 80.04.095 and WAC 480-09-015 ~~((; it))~~ shall be processed in accordance with the provisions of WAC 480-09-015.

(7) ~~((Any person continuing to seek disclosure.))~~ After ~~((having received a))~~ receiving the secretary's written explanation for nondisclosure ~~((pursuant to))~~ under this rule, if you still want disclosure you may request a review under ~~((the provisions of))~~ WAC 480-04-120.

AMENDATORY SECTION (Amending Order R-340, Docket No. A-900424, filed 3/14/91, effective 4/14/91)

WAC 480-04-100 Copying and service ~~((costs))~~ charges. The commission ~~((shall))~~ will provide copies of ~~((information and))~~ public records upon ~~((written))~~ request.

(1) The commission shall charge a published fee for ~~((each single sided page of copy, provided that no charge shall be made for a photocopy of a record consisting of five single sided pages or fewer))~~ copying and providing information. The commission may, by order, within the requirements of RCW 42.17.300, establish and change prices and establish the maximum number of various kinds of copies that will be provided without charge.

(2) Except as provided in WAC 480-09-125 for producing for internal distribution, copies that parties to a proceeding have failed to file, the ~~((base))~~ charges for services ~~((shall be))~~ at the time this rule is adopted are as follows:

(a) Photocopies ~~((shall cost twenty))~~, fifteen cents per page for fifty-one or more copies.

(b) Certified copies ~~((shall cost two dollars and fifty cents))~~, three dollars per certified sheet.

(c) Telefacsimile (FAX) transmissions ~~((shall cost))~~, fifty cents per page, for transmissions of six or more pages.

(d) Computer lists or printouts ~~((shall cost))~~, fifty cents per page for six or more pages.

(e) Computer data copied onto floppy ~~((disks))~~ diskettes shall cost five dollars per ~~((disk))~~ diskette.

(f) Audio tapes ~~((shall cost four))~~, five dollars each.

(g) Video tapes ~~((shall cost fifteen))~~, five dollars each.

(h) Color copies, one dollar per page.

(i) No charge is made for documents provided by electronic mail.

(3) Sales tax, at the current rate, shall be added to the ~~((base))~~ price of each item.

AMENDATORY SECTION (Amending Order R-368, Docket No. A-910530, filed 3/5/92, effective 4/5/92)

WAC 480-04-110 ~~((Exemptions, qualifications on nondisclosure.))~~ Information for commercial purposes. ~~((1))~~ The commission reserves the right to determine that a public record requested in accordance with the procedures outlined in WAC 480-04-090 is exempt from disclosure under the provisions of RCW 42.17.260, 42.17.310, or any other provision of law.

(2) In addition, pursuant to RCW 42.17.260(1), the commission reserves the right to delete identifying details when it makes available or publishes any public record, in any case when there is reason to believe that disclosure of such details would be an invasion of personal privacy protected by chapter 42.17 RCW. The justification for the deletion will be explained in writing.

(3) The commission will not give, sell, or provide access to lists of individuals requested for commercial purposes. ~~((;))~~ Except as provided in RCW 42.17.260(6), the commission will not give, sell, or provide access to lists of individuals if the information is requested for commercial purposes.

~~((4))~~ To the extent that nondisclosable information can be deleted from the specific records sought, the remainder of the records shall be disclosable.

(5) No exemptions shall be construed to require nondisclosure of statistical information not descriptive of identifiable persons, as required by RCW 42.17.310(2).))

AMENDATORY SECTION (Amending Order R-368, Docket No. A-910530, filed 3/5/92, effective 4/5/92)

WAC 480-04-120 Review of denials of public records requests. (1) If ~~((the person requesting))~~ you are denied disclosure ~~((disagrees))~~ of a public document and disagree with the denial ~~((of a request for a public record, the person))~~ you may ~~((petition for prompt review of the decision by submitting a written request for review to the secretary))~~ ask the secretary, in writing, for a review of the denial. The ~~((written))~~ request ~~((shall specifically refer to the))~~ for review must describe or enclose the secretary's written statement ~~((by the secretary or acting secretary which constituted or accompanied))~~ explaining the reasons for the denial. ~~((Requesting this review is optional, and failure to request this review does not constitute failure to exhaust administrative remedies.))~~

(2) A request for review must be made in writing. It may be made in person at the commission's administrative office ~~((or at a district office,))~~ or ~~((may be made))~~ by mail or electronic mail. ~~((Response to a request which is made~~

~~at a district office or by mail may take longer than response to a request made at the administrative office.)~~

(3) Promptly after receiving a written request for review ~~((of a decision denying disclosure,))~~ the secretary ~~((or acting secretary))~~ shall review the ~~((denial))~~ decision. ~~((The secretary or acting secretary))~~ He or she may personally reconsider the denial decision, or may refer the request to the commission for review at a ~~((regular or special))~~ commission meeting ~~((of the commission))~~.

(4) ~~((If a revised decision is not sooner returned,))~~ The commission's review of a decision denying disclosure ~~((shall be deemed completed))~~ is final at the end of the second business day following the secretary's ~~((or acting secretary's))~~ initial denial decision, ~~((and the commission's final decision shall be deemed to be a denial of disclosure. Completion of the review shall constitute final commission action for purposes of judicial review))~~ unless the commission provides a revised decision to you during that period. This ~~((provision shall))~~ does not ~~((be construed to prohibit))~~ prevent the commission from reversing a denial after the end of the second business day following the initial denial decision.

AMENDATORY SECTION (Amending Order R-368, Docket No. A-910530, filed 3/5/92, effective 4/5/92)

WAC 480-04-130 Protection of public records. (1) ~~((Copying of public documents shall be done by commission personnel only, upon the request of members of the public under the procedures set out in these rules, unless the secretary determines that it is consistent with the procedures and not disruptive of commission operations to allow the member of the public to perform the copying.))~~ Only commission staff may copy public documents unless the secretary decides that copying by others will not disrupt commission administration or pose any risk to the integrity and safety of the documents.

(2) No ~~((commission))~~ person may take any document ~~((may be physically removed by a member of the public))~~ from the area designated by the secretary for the public inspection of documents unless the secretary ~~((or the acting secretary))~~ authorizes ~~((its removal))~~ doing so.

(3) When a member of the public ~~((requests))~~ asks to examine an entire file or group of documents, as distinguished from ~~((a request to examine certain individual))~~ specific documents ~~((which))~~ that can be individually identified and supplied ~~((by themselves))~~, the commission ~~((shall be allowed))~~ may take a reasonable time ~~((to inspect the file))~~ for inspection to ~~((determine whether it contains))~~ remove any material designated as confidential ~~((or))~~ and any information protected from disclosure by RCW 42.17.310 or other provision of law.

AMENDATORY SECTION (Amending Order R-222, Cause No. TE-1817, filed 10/10/84)

WAC 480-11-010 Authority. This chapter is ~~((promulgated pursuant to the authority granted in))~~ created under RCW 43.21C.120 and chapter 197-11 WAC.

AMENDATORY SECTION (Amending Order R-222, Cause No. TE-1817, filed 10/10/84)

WAC 480-11-020 Incorporation of chapter 197-11 WAC. The commission adopts provisions of chapter 197-11 WAC (SEPA guidelines adopted by the department of ecology ~~((on January 26, 1984))~~ are adopted by the Washington state utilities and transportation commission, and are incorporated into this chapter by this reference, to the extent that the provisions of chapter 197-11 WAC are) to be applicable to the ~~((commission))~~ Washington utilities and transportation commission. A copy of the rules adopted by reference in this section is available for inspection at the Washington utilities and transportation commission branch of the Washington state library, at the commission's headquarters office in Olympia.

AMENDATORY SECTION (Amending Order R-222, Cause No. TE-1817, filed 10/10/84)

WAC 480-11-030 Designation of responsible official. The responsible official for the commission for matters ~~((relating to transportation shall be the assistant administrator for transportation. The responsible official for the commission for matters relating to public utilities shall be the utilities and accounting administrator))~~ affected by SEPA is the director of regulatory services.

**WSR 98-02-014
PERMANENT RULES**

DEPARTMENT OF REVENUE

[Filed December 30, 1997, 10:47 a.m., effective January 1, 1998]

Date of Adoption: December 30, 1997.

Purpose: WAC 458-40-540 contains the forest land values for the first half of 1998. County assessors use these published land values for property tax assessments made January 1, 1998. Statutory formula adjusts values annually and requires adoption by the beginning of January each year.

Citation of Existing Rules Affected by this Order: Amending WAC 458-40-540.

Statutory Authority for Adoption: RCW 82.32.300 and 84.33.096.

Other Authority: RCW 82.33.120.

Adopted under notice filed as WSR 97-22-035 on October 30, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 1, repealed 0.

Other Findings Required by Other Provisions of Law as Precondition to Adoption or Effectiveness of Rule: The forest land value rule is required by statute (RCW 84.33.120) to be effective on January 1st of each year.

Effective Date of Rule: January 1, 1998.

December 30, 1997
 Russell W. Brubaker
 Assistant Director

AMENDATORY SECTION (Amending WSR 97-07-041, filed 3/14/97, effective 4/14/97)

WAC 458-40-540 Forest land values—~~((1997))~~ 1998.

The forest land values, per acre, for each grade of forest land for the ~~((1997))~~ 1998 assessment year are determined to be as follows:

LAND GRADE	OPERABILITY CLASS	((1997)) 1998 VALUES ROUNDED
1	1	((232)) <u>\$245</u>
	2	((226)) <u>238</u>
	3	((215)) <u>227</u>
	4	((156)) <u>164</u>
2	1	((196)) <u>207</u>
	2	((188)) <u>198</u>
	3	((180)) <u>190</u>
	4	((131)) <u>138</u>
3	1	((153)) <u>161</u>
	2	((148)) <u>156</u>
	3	((146)) <u>154</u>
	4	((112)) <u>118</u>
4	1	((116)) <u>122</u>
	2	((113)) <u>119</u>
	3	((112)) <u>118</u>
	4	((85)) <u>90</u>
5	1	((84)) <u>89</u>
	2	((78)) <u>82</u>
	3	((77)) <u>81</u>
	4	((51)) <u>54</u>
6	1	((43)) <u>45</u>
	2	((39)) <u>41</u>
	3	((39)) <u>41</u>
	4	((37)) <u>39</u>
7	1	((21)) <u>22</u>
	2	((21)) <u>22</u>
	3	((20)) <u>21</u>
	4	((20)) <u>21</u>
8		1

WSR 98-02-015

PERMANENT RULES

DEPARTMENT OF REVENUE

[Filed December 30, 1997, 10:50 a.m., effective January 1, 1998]

Date of Adoption: December 30, 1997.

Purpose: WAC 458-40-660 contains the stumpage values for the first half of 1998. Harvesters of timber use these values to calculate the timber excise tax.

Citation of Existing Rules Affected by this Order: Amending WAC 458-40-660.

Statutory Authority for Adoption: RCW 82.32.300 and 84.33.096.

Other Authority: RCW 84.33.091.

Adopted under notice filed as WSR 97-22-034 on October 30, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 1, repealed 0.

Other Findings Required by Other Provisions of Law as Precondition to Adoption or Effectiveness of Rule: The stumpage value rule is required by statute (RCW 84.33.091) to be effective on January 1, 1998.

Effective Date of Rule: January 1, 1998.

December 30, 1997
 Russell W. Brubaker
 Assistant Director

AMENDATORY SECTION (Amending WSR 97-14-068, filed 6/30/97, effective 7/1/97)

WAC 458-40-660 Timber excise tax—Stumpage value tables—Stumpage value adjustments. (1) **Introduction.** This section sets forth the stumpage value tables and the stumpage value adjustments that are used to calculate the amount of timber excise tax owed by a timber harvester.

(2) **Stumpage value tables.** The following stumpage value tables are hereby adopted for use in reporting the taxable value of stumpage harvested during the period ~~((July))~~ January 1 through ~~((December 31, 1997))~~ June 30, 1998:

PERMANENT

**((TABLE 1—Stumpage Value Table
Stumpage Value Area 1
July 1 through December 31, 1997**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas Fir	DF	1	\$850	\$843	\$836	\$829	\$822
		2	668	661	654	647	640
		3	583	576	569	562	555
		4	268	261	254	247	240
Western Redcedar ²	RC	1	580	573	566	559	552
		2	580	573	566	559	552
		3	535	528	521	514	507
		4	501	494	487	480	473
Western Hemlock ²	WH	1	398	391	384	377	370
		2	378	371	364	357	350
		3	366	359	352	345	338
		4	271	264	257	250	243
Other Conifer	OC	1	398	391	384	377	370
		2	378	371	364	357	350
		3	366	359	352	345	338
		4	271	264	257	250	243
Red Alder	RA	1	200	193	186	179	172
		2	159	152	145	138	131
		3	36	29	22	15	8
Black Cottonwood	BC	1	46	39	32	25	18
		2	23	16	9	2	+
		3	10	3	1	1	+
Other Hardwood	OH	1	134	127	120	113	106
		2	99	92	85	78	71
		3	47	40	33	26	19
Douglas fir Poles	DFL	1	943	936	929	922	915
Western Redcedar Poles	RCL	1	943	936	929	922	915
Chipwood	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁴	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁵	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁵	TFX	1	0.50	0.50	0.50	0.50	0.50

¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.

² Includes Alaska Cedar.

³ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."

⁴ Stumpage value per 8 lineal foot or portion thereof.

⁵ Stumpage value per lineal foot.

**TABLE 2—Stumpage Value Table
Stumpage Value Area 2
July 1 through December 31, 1997**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas Fir	DF	1	\$650	\$643	\$636	\$629	\$622
		2	624	627	620	613	606
		3	586	579	572	565	558
		4	290	283	276	269	262
Western Redcedar ²	RC	1	580	573	566	559	552
		2	580	573	566	559	552
		3	535	528	521	514	507
		4	501	494	487	480	473
Western Hemlock ²	WH	1	392	385	378	371	364
		2	389	382	375	368	361
		3	374	367	360	353	346
		4	307	300	293	286	279
Other Conifer	OC	1	392	385	378	371	364
		2	389	382	375	368	361
		3	374	367	360	353	346
		4	307	300	293	286	279
Red Alder	RA	1	200	193	186	179	172
		2	159	152	145	138	131
		3	36	29	22	15	8
Black Cottonwood	BC	1	46	39	32	25	18
		2	23	16	9	2	+
		3	10	3	1	1	+
Other Hardwood	OH	1	134	127	120	113	106
		2	99	92	85	78	71
		3	47	40	33	26	19
Douglas fir Poles	DFL	1	943	936	929	922	915
Western Redcedar Poles	RCL	1	943	936	929	922	915
Chipwood	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁴	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁵	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁵	TFX	1	0.50	0.50	0.50	0.50	0.50

¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.

² Includes Alaska Cedar.

³ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."

⁴ Stumpage value per 8 lineal foot or portion thereof.

⁵ Stumpage value per lineal foot.

PERMANENT

**TABLE 3—Stumpage Value Table
Stumpage Value Area 3
July 1 through December 31, 1997**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale[†]

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas Fir ²	DF	1	\$661	\$654	\$647	\$640	\$633
		2	661	654	647	640	633
		3	514	507	500	493	486
		4	495	488	481	474	467
Western Redcedar ³	RC	1	580	573	566	559	552
		2	580	573	566	559	552
		3	535	528	521	514	507
		4	501	494	487	480	473
Western Hemlock ⁴	WH	1	392	385	378	371	364
		2	390	383	376	369	362
		3	372	365	358	351	344
		4	288	281	274	267	260
Other Conifer	OC	1	392	385	378	371	364
		2	390	383	376	369	362
		3	372	365	358	351	344
		4	288	281	274	267	260
Red Alder	RA	1	200	193	186	179	172
		2	159	152	145	138	131
		3	36	29	22	15	8
Black Cottonwood	BC	1	46	39	32	25	18
		2	23	16	9	2	1
		3	10	3	1	1	1
Other Hardwood	OH	1	134	127	120	113	106
		2	99	92	85	78	71
		3	47	40	33	26	19
Douglas fir Poles	DFL	1	943	936	929	922	915
Western Redcedar Poles	RCL	1	943	936	929	922	915
Chipwood	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁵	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁶	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁶	TFX	1	0.50	0.50	0.50	0.50	0.50

[†] Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.

² Includes Western Larch.

³ Includes Alaska Cedar.

⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."

⁵ Stumpage value per 8 lineal feet or portion thereof.

⁶ Stumpage value per lineal foot.

**TABLE 4—Stumpage Value Table
Stumpage Value Area 4
July 1 through December 31, 1997**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale[†]

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas Fir ²	DF	1	\$685	\$678	\$671	\$664	\$657
		2	664	657	650	643	636
		3	620	613	606	599	592
		4	510	503	496	489	482
Lodgepole Pine	LP	1	244	237	230	223	216
Ponderosa Pine	PP	1	489	482	475	468	461
		2	313	306	299	292	285
Western Redcedar ³	RC	1	580	573	566	559	552
		2	580	573	566	559	552
		3	535	528	521	514	507
		4	501	494	487	480	473
Western Hemlock ⁴	WH	1	395	388	381	374	367
		2	387	380	373	366	359
		3	369	362	355	348	341
		4	360	353	346	339	332
Other Conifer	OC	1	395	388	381	374	367
		2	387	380	373	366	359
		3	369	362	355	348	341
		4	360	353	346	339	332
Red Alder	RA	1	200	193	186	179	172
		2	159	152	145	138	131
		3	36	29	22	15	8
Black Cottonwood	BC	1	46	39	32	25	18
		2	23	16	9	2	1
		3	10	3	1	1	1
Other Hardwood	OH	1	134	127	120	113	106
		2	99	92	85	78	71
		3	47	40	33	26	19
Douglas fir Poles	DFL	1	943	936	929	922	915
Western Redcedar Poles	RCL	1	943	936	929	922	915
Chipwood	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁵	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁶	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁶	TFX	1	0.50	0.50	0.50	0.50	0.50

[†] Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.

² Includes Western Larch.

³ Includes Alaska Cedar.

⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."

⁵ Stumpage value per 8 lineal feet or portion thereof.

⁶ Stumpage value per lineal foot.

PERMANENT

**TABLE 5—Stumpage Value Table
Stumpage Value Area 5
July 1 through December 31, 1997**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance—Zone Number				
			1	2	3	4	5
Douglas Fir ²	DF	1	\$685	\$678	\$671	\$664	\$657
		2	637	630	623	616	609
		3	491	484	477	470	463
		4	315	308	301	294	287
Lodgepole Pine	LP	1	244	237	230	223	216
		2	212	205	198	191	184
Ponderosa Pine	PP	1	489	482	475	468	461
		2	312	306	299	292	285
Western Redcedar ³	RC	1	580	573	566	559	552
		2	580	573	566	559	552
		3	535	528	521	514	507
		4	501	494	487	480	473
Western Hemlock ⁴	WH	1	392	385	378	371	364
		2	390	383	376	369	362
		3	317	310	303	296	289
		4	226	219	212	205	198
Other Conifer	OC	1	392	385	378	371	364
		2	390	383	376	369	362
		3	317	310	303	296	289
		4	226	219	212	205	198
Red Alder	RA	1	200	193	186	179	172
		2	159	152	145	138	131
		3	36	29	22	15	8
Black Cottonwood	BC	1	46	39	32	25	18
		2	23	16	9	2	+
		3	10	3	1	1	+
Other Hardwood	OH	1	134	127	120	113	106
		2	99	92	85	78	71
		3	47	40	33	26	19
Douglas fir Poles	DFL	1	943	936	929	922	915
Western Redcedar Poles	RCL	1	943	936	929	922	915
Chipwood	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁵	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁶	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁶	TFX	1	0.50	0.50	0.50	0.50	0.50

¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.
² Includes Western Larch.
³ Includes Alaska Cedar.
⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."
⁵ Stumpage value per 8 lineal feet or portion thereof.
⁶ Stumpage value per lineal foot.

**TABLE 6—Stumpage Value Table
Stumpage Value Area 6
July 1 through December 31, 1997**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance—Zone Number				
			1	2	3	4	5
Douglas Fir ²	DF	1	\$260	\$253	\$246	\$239	\$232
Engelmann Spruce	ES	1	224	217	210	203	196
Lodgepole Pine	LP	1	234	227	220	213	206
Ponderosa Pine	PP	1	425	418	411	404	397
		2	272	265	258	251	244
Western Redcedar ³	RC	1	357	350	343	336	329
True Firs ⁴	WH	1	234	227	220	213	206
Western White Pine	WP	1	432	425	418	411	404
Hardwoods	OH	1	50	43	36	29	22
Western Redcedar Poles	RCL	1	516	509	502	495	488
Small Logs	SML	1	28	27	26	25	24
Chipwood	CHW	1	1	1	1	1	1
RC Shake & Shingle Blocks	RCF	1	92	85	78	71	64
LP & Other Posts ⁵	LPP	1	0.35	0.35	0.35	0.35	0.35
Pine Christmas Trees ⁶	PX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁷	DFX	1	0.25	0.25	0.25	0.25	0.25

¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.
² Includes Western Larch.
³ Includes Alaska Cedar.
⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."
⁵ Stumpage value per 8 lineal feet or portion thereof.
⁶ Stumpage value per lineal foot. Includes Ponderosa Pine, Western White Pine, and Lodgepole Pine.
⁷ Stumpage value per lineal foot.

**TABLE 7—Stumpage Value Table
Stumpage Value Area 7
July 1 through December 31, 1997**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance—Zone Number				
			1	2	3	4	5
Douglas Fir ²	DF	1	\$297	\$290	\$283	\$276	\$269
Engelmann Spruce	ES	1	224	217	210	203	196
Lodgepole Pine	LP	1	234	227	220	213	206
Ponderosa Pine	PP	1	434	427	420	413	409
		2	314	307	300	293	286
Western Redcedar ³	RC	1	357	350	343	336	329
True Firs ⁴	WH	1	239	232	225	218	211
Western White Pine	WP	1	432	425	418	411	404

Hardwoods	OH	1	50	43	36	29	22
Western Redcedar Poles	RCL	1	516	500	502	495	488
Small Logs	SML	1	22	21	20	19	18
Chipwood	CHW	1	1	1	1	1	1
RC Shake & Shingle Blocks	RCF	1	92	85	78	71	64
LP & Other Posts ⁵	LPP	1	0.35	0.35	0.35	0.35	0.35
Pine Christmas Trees ⁶	PX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁷	DFX	1	0.25	0.25	0.25	0.25	0.25

- ¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458 40-684 and 458 40-686.
- ² Includes Western Larch.
- ³ Includes Alaska Cedar.
- ⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."
- ⁵ Stumpage value per 8 lineal feet or portion thereof.
- ⁶ Stumpage value per lineal foot. Includes Ponderosa Pine, Western White Pine, and Lodgepole Pine.
- ⁷ Stumpage value per lineal foot.

**TABLE 8—Stumpage Value Table
Stumpage Value Area 10
July 1 through December 31, 1997**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas Fir ²	DF	1	\$671	\$664	\$657	\$650	\$643
		2	650	643	636	629	622
		3	606	599	592	585	578
		4	496	489	482	475	468
Lodgepole Pine	LP	1	244	237	230	223	216
		2	313	306	299	292	285
Ponderosa Pine	PP	1	489	482	475	468	461
		2	313	306	299	292	285
Western Redcedar ²	RC	1	566	559	552	545	538
		2	566	559	552	545	538
		3	521	514	507	500	493
		4	487	480	473	466	459
Western Hemlock ⁴	WH	1	381	374	367	360	353
		2	373	366	359	352	345
		3	355	348	341	334	327
		4	346	339	332	325	318
Other Conifer	OC	1	381	374	367	360	353
		2	373	366	359	352	345
		3	355	348	341	334	327
		4	346	339	332	325	318
Red Alder	RA	1	186	179	172	165	158
		2	145	138	131	124	117
		3	22	15	8	1	1
Black Cottonwood	BC	1	22	25	18	11	4
		2	9	2	1	1	1
		3	1	1	1	1	1
Other Hardwood	OH	1	120	113	106	99	92
		2	85	78	71	64	57
		3	33	26	19	12	5
Douglas fir Poles	DFL	1	929	922	915	908	901
Western Redcedar Poles	RCL	1	929	922	915	908	901

Chipwood	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁵	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁶	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁶	TFX	1	0.50	0.50	0.50	0.50	0.50

- ¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458 40-684 and 458 40-686.
- ² Includes Western Larch.
- ³ Includes Alaska Cedar.
- ⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."
- ⁵ Stumpage value per 8 lineal feet or portion thereof.
- ⁶ Stumpage value per lineal foot.

**TABLE 1—Stumpage Value Table
Stumpage Value Area 1
January 1 through June 30, 1998**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas-Fir	DF	1	\$842	\$835	\$828	\$821	\$814
		2	680	673	666	659	652
		3	629	622	615	608	601
		4	421	414	407	400	393
Western Redcedar ²	RC	1	782	775	768	761	754
		2	754	747	740	733	726
		3	694	687	680	673	666
		4	651	644	637	630	623
Western Hemlock ³	WH	1	431	424	417	410	403
		2	395	388	381	374	367
		3	379	372	365	358	351
		4	282	275	268	261	254
Other Conifer	OC	1	431	424	417	410	403
		2	395	388	381	374	367
		3	379	372	365	358	351
		4	282	275	268	261	254
Red Alder	RA	1	194	187	180	173	166
		2	148	141	134	127	120
		3	36	29	22	15	8
Black Cottonwood	BC	1	50	43	36	29	22
		2	28	21	14	7	1
		3	20	13	6	1	1
Other Hardwood	OH	1	136	129	122	115	108
		2	95	88	81	74	67
		3	37	30	23	16	9
Douglas-fir Poles and Piles	DFL	1	944	937	930	923	916
Western Redcedar Poles and Piles	RCL	1	944	937	930	923	916
Chipwood ⁴	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁵	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁶	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁶	TFX	1	0.50	0.50	0.50	0.50	0.50

PERMANENT

- ¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.
- ² Includes Alaska-Cedar.
- ³ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."
- ⁴ Stumpage value per ton.
- ⁵ Stumpage value per 8 lineal feet or portion thereof.
- ⁶ Stumpage value per lineal foot.

**TABLE 2—Stumpage Value Table
Stumpage Value Area 2
January 1 through June 30, 1998**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas-Fir	DF	1	\$665	\$658	\$651	\$644	\$637
		2	625	618	611	604	597
		3	603	596	589	582	575
		4	264	257	250	243	236
Western Redcedar ²	RC	1	782	775	768	761	754
		2	754	747	740	733	726
		3	694	687	680	673	666
		4	651	644	637	630	623
Western Hemlock ³	WH	1	410	403	396	389	382
		2	398	391	384	377	370
		3	372	365	358	351	344
		4	306	299	292	285	278
Other Conifer	OC	1	410	403	396	389	382
		2	398	391	384	377	370
		3	372	365	358	351	344
		4	306	299	292	285	278
Red Alder	RA	1	194	187	180	173	166
		2	148	141	134	127	120
		3	36	29	22	15	8
Black Cottonwood	BC	1	50	43	36	29	22
		2	28	21	14	7	1
		3	20	13	6	1	1
Other Hardwood	OH	1	136	129	122	115	108
		2	95	88	81	74	67
		3	37	30	23	16	9
Douglas-fir Poles and Piles	DFL	1	944	937	930	923	916
Western Redcedar Poles and Piles	RCL	1	944	937	930	923	916
Chipwood ⁴	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁵	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁶	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁶	TFX	1	0.50	0.50	0.50	0.50	0.50

- ¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.
- ² Includes Alaska-Cedar.
- ³ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."
- ⁴ Stumpage value per ton.
- ⁵ Stumpage value per 8 lineal feet or portion thereof.
- ⁶ Stumpage value per lineal foot.

**TABLE 3—Stumpage Value Table
Stumpage Value Area 3
January 1 through June 30, 1998**

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas-Fir	DF	1	\$698	\$691	\$684	\$677	\$670
		2	640	633	626	619	612
		3	422	415	408	401	394
		4	368	361	354	347	340
Western Redcedar ²	RC	1	782	775	768	761	754
		2	754	747	740	733	726
		3	694	687	680	673	666
		4	651	644	637	630	623
Western Hemlock ³	WH	1	421	414	407	400	393
		2	421	414	407	400	393
		3	388	381	374	367	360
		4	270	263	256	249	242
Other Conifer	OC	1	421	414	407	400	393
		2	421	414	407	400	393
		3	388	381	374	367	360
		4	270	263	256	249	242
Red Alder	RA	1	194	187	180	173	166
		2	148	141	134	127	120
		3	36	29	22	15	8
Black Cottonwood	BC	1	50	43	36	29	22
		2	28	21	14	7	1
		3	20	13	6	1	1
Other Hardwood	OH	1	136	129	122	115	108
		2	95	88	81	74	67
		3	37	30	23	16	9
Douglas-fir Poles and Piles	DFL	1	944	937	930	923	916
Western Redcedar Poles and Piles	RCL	1	944	937	930	923	916
Chipwood ⁴	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁵	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁶	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁶	TFX	1	0.50	0.50	0.50	0.50	0.50

- ¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.
- ² Includes Alaska-Cedar.
- ³ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."
- ⁴ Stumpage value per ton.
- ⁵ Stumpage value per 8 lineal feet or portion thereof.
- ⁶ Stumpage value per lineal foot.

PERMANENT

TABLE 4—Stumpage Value Table
Stumpage Value Area 4
 January 1 through June 30, 1998

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas-Fir ²	DF	1	\$698	\$691	\$684	\$677	\$670
		2	670	663	656	649	642
		3	639	632	625	618	611
		4	488	481	474	467	460
Lodgepole Pine	LP	1	215	208	201	194	187
Ponderosa Pine	PP	1	403	396	389	382	375
		2	270	263	256	249	242
Western Redcedar ³	RC	1	782	775	768	761	754
		2	754	747	740	733	726
		3	694	687	680	673	666
		4	651	644	637	630	623
Western Hemlock ⁴	WH	1	412	405	398	391	384
		2	412	405	398	391	384
		3	389	382	375	368	361
		4	290	283	276	269	262
Other Conifer	OC	1	412	405	398	391	384
		2	412	405	398	391	384
		3	389	382	375	368	361
		4	290	283	276	269	262
Red Alder	RA	1	194	187	180	173	166
		2	148	141	134	127	120
		3	36	29	22	15	8
Black Cottonwood	BC	1	50	43	36	29	22
		2	28	21	14	7	1
		3	20	13	6	1	1
Other Hardwood	OH	1	136	129	122	115	108
		2	95	88	81	74	67
		3	37	30	23	16	9
Douglas-fir Poles and Piles	DFL	1	944	937	930	923	916
Western Redcedar Poles and Piles	RCL	1	944	937	930	923	916
Chipwood ⁵	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁶	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁷	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁷	TFX	1	0.50	0.50	0.50	0.50	0.50

¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.
² Includes Western Larch.
³ Includes Alaska-Cedar.
⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."
⁵ Stumpage value per ton.
⁶ Stumpage value per 8 lineal feet or portion thereof.
⁷ Stumpage value per lineal foot.

TABLE 5—Stumpage Value Table
Stumpage Value Area 5
 January 1 through June 30, 1998

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas-Fir ²	DF	1	\$665	\$658	\$651	\$644	\$637
		2	636	629	622	615	608
		3	512	505	498	491	484
		4	342	335	328	321	314
Lodgepole Pine	LP	1	215	208	201	194	187
Ponderosa Pine	PP	1	403	396	389	382	375
		2	270	263	256	249	242
Western Redcedar ³	RC	1	782	775	768	761	754
		2	754	747	740	733	726
		3	694	687	680	673	666
		4	651	644	637	630	623
Western Hemlock ⁴	WH	1	394	387	380	373	366
		2	384	377	370	363	356
		3	328	321	314	307	300
		4	213	206	199	192	185
Other Conifer	OC	1	394	387	380	373	366
		2	384	377	370	363	356
		3	328	321	314	307	300
		4	213	206	199	192	185
Red Alder	RA	1	194	187	180	173	166
		2	148	141	134	127	120
		3	36	29	22	15	8
Black Cottonwood	BC	1	50	43	36	29	22
		2	28	21	14	7	1
		3	20	13	6	1	1
Other Hardwood	OH	1	136	129	122	115	108
		2	95	88	81	74	67
		3	37	30	23	16	9
Douglas-fir Poles and Piles	DFL	1	944	937	930	923	916
Western Redcedar Poles and Piles	RCL	1	944	937	930	923	916
Chipwood ⁵	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁶	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁷	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁷	TFX	1	0.50	0.50	0.50	0.50	0.50

¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.
² Includes Western Larch.
³ Includes Alaska-Cedar.
⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."
⁵ Stumpage value per ton.
⁶ Stumpage value per 8 lineal feet or portion thereof.
⁷ Stumpage value per lineal foot.

PERMANENT

TABLE 6—Stumpage Value Table
Stumpage Value Area 6
 January 1 through June 30, 1998

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas-Fir ²	DF	1	\$362	\$355	\$348	\$341	\$334
Engelmann Spruce	ES	1	217	210	203	196	189
Lodgepole Pine	LP	1	215	208	201	194	187
Ponderosa Pine	PP	1	403	396	389	382	375
		2	270	263	256	249	242
Western Redcedar ³	RC	1	382	375	368	361	354
True Firs ⁴	WH	1	227	220	213	206	199
Western White Pine	WP	1	402	395	388	381	374
Hardwoods	OH	1	50	43	36	29	22
Western Redcedar Poles and Piles	RCL	1	516	509	502	495	488
Small Logs ⁵	SML	1	28	27	26	25	24
Chipwood ⁵	CHW	1	1	1	1	1	1
RC Shake & Shingle Blocks	RCF	1	92	85	78	71	64
LP & Other Posts ⁶	LPP	1	0.35	0.35	0.35	0.35	0.35
Pine Christmas Trees ⁷	PX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁸	DFX	1	0.25	0.25	0.25	0.25	0.25

¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.

² Includes Western Larch.

³ Includes Alaska-Cedar.

⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."

⁵ Stumpage value per ton.

⁶ Stumpage value per 8 lineal feet or portion thereof.

⁷ Stumpage value per lineal foot. Includes Ponderosa Pine, Western White Pine, and Lodgepole Pine.

⁸ Stumpage value per lineal foot.

TABLE 7—Stumpage Value Table
Stumpage Value Area 7
 January 1 through June 30, 1998

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas-Fir ²	DF	1	\$306	\$299	\$292	\$285	\$278
Engelmann Spruce	ES	1	217	210	203	196	189
Lodgepole Pine	LP	1	215	208	201	194	187
Ponderosa Pine	PP	1	403	396	389	382	375
		2	295	288	281	274	267
Western Redcedar ³	RC	1	382	375	368	361	354
True Firs ⁴	WH	1	255	248	241	234	227
Western White Pine	WP	1	402	395	388	381	374

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Hardwoods	OH	1	50	43	36	29	22
Western Redcedar Poles and Piles	RCL	1	516	509	502	495	488
Small Logs ⁵	SML	1	21	20	19	18	17
Chipwood ⁵	CHW	1	1	1	1	1	1
RC Shake & Shingle Blocks	RCF	1	92	85	78	71	64
LP & Other Posts ⁶	LPP	1	0.35	0.35	0.35	0.35	0.35
Pine Christmas Trees ⁷	PX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁸	DFX	1	0.25	0.25	0.25	0.25	0.25

¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.

² Includes Western Larch.

³ Includes Alaska-Cedar.

⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."

⁵ Stumpage value per ton.

⁶ Stumpage value per 8 lineal feet or portion thereof.

⁷ Stumpage value per lineal foot. Includes Ponderosa Pine, Western White Pine, and Lodgepole Pine.

⁸ Stumpage value per lineal foot.

TABLE 8—Stumpage Value Table
Stumpage Value Area 10
 January 1 through June 30, 1998

Stumpage Values per Thousand Board Feet Net Scribner Log Scale¹

Species Name	Species Code	Timber Quality Code Number	Hauling Distance Zone Number				
			1	2	3	4	5
Douglas-Fir ²	DF	1	\$684	\$677	\$670	\$663	\$656
		2	656	649	642	635	628
		3	625	618	611	604	597
		4	474	467	460	453	446
Lodgepole Pine	LP	1	215	208	201	194	187
Ponderosa Pine	PP	1	403	396	389	382	375
		2	270	263	256	249	242
Western Redcedar ³	RC	1	768	761	754	747	740
		2	740	733	726	719	712
		3	680	673	666	659	652
		4	637	630	623	616	609
Western Hemlock ⁴	WH	1	398	391	384	377	370
		2	398	391	384	377	370
		3	375	368	361	354	347
		4	276	269	262	255	248
Other Conifer	OC	1	398	391	384	377	370
		2	398	391	384	377	370
		3	375	368	361	354	347
		4	276	269	262	255	248
Red Alder	RA	1	180	173	166	159	152
		2	134	127	120	113	106
		3	22	15	8	1	1
Black Cottonwood	BC	1	36	29	22	15	8
		2	14	7	1	1	1
		3	6	1	1	1	1
Other Hardwood	OH	1	122	115	108	101	94
		2	81	74	67	60	53
		3	23	16	9	2	1
Douglas-fir Poles and Piles	DFL	1	930	923	916	909	902

PERMANENT

Western Redcedar Poles and Piles	RCL	1	930	923	916	909	902
Chipwood ⁵	CHW	1	1	1	1	1	1
RC Shake Blocks	RCS	1	303	296	289	282	275
RC Shingle Blocks	RCF	1	121	114	107	100	93
RC & Other Posts ⁶	RCP	1	0.45	0.45	0.45	0.45	0.45
DF Christmas Trees ⁷	DFX	1	0.25	0.25	0.25	0.25	0.25
Other Christmas Trees ⁷	TFX	1	0.50	0.50	0.50	0.50	0.50

¹ Log scale conversions Western and Eastern Washington. See conversion methods WAC 458-40-684 and 458-40-686.

² Includes Western Larch.

³ Includes Alaska-Cedar.

⁴ Includes Western Hemlock, Mountain Hemlock, Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir. Pacific Silver Fir, Noble Fir, Grand Fir, and Subalpine Fir are all commonly referred to as "White Fir."

⁵ Stumpage value per ton.

⁶ Stumpage value per 8 lineal feet or portion thereof.

⁷ Stumpage value per lineal foot.

(3) **Harvest value adjustments.** Harvest value adjustments relating to the various logging and harvest conditions shall be allowed against the stumpage values as set forth in subsection (2) of this section for the designated stumpage value areas. See WAC 458-40-670 for more information about these adjustments.

The following harvest adjustment tables are hereby adopted for use during the period of ((July)) January 1 through ((December 31, 1997)) June 30, 1998:

**TABLE 9—Harvest Adjustment Table
Stumpage Value Areas 1, 2, 3, 4, 5, and 10**

((July)) January 1 through
((December 31, 1997)) June 30, 1998

Type of Adjustment	Definition	Dollar Adjustment Per Thousand Board Feet Net Scribner Scale
I. Volume per acre		
Class 1	Harvest of more than 40 thousand board feet per acre.	\$0.00
Class 2	Harvest of 20 thousand board feet to 40 thousand board feet per acre.	- \$4.00
Class 3	Harvest of 10 thousand board feet to but not including 20 thousand board feet per acre.	- \$7.00
Class 4	Harvest of 5 thousand board feet to but not including 10 thousand board feet per acre.	- \$9.00
Class 5	Harvest of less than 5 thousand board feet per acre.	- \$10.00
II. Logging conditions		
Class 1	Most of the harvest unit has less than 30% slope. No significant rock outcrops or swamp barriers.	\$ 0.00
Class 2	Most of the harvest unit has slopes between 30% and 60%. Some rock outcrops or swamp barriers.	- \$17.00
Class 3	Most of the harvest unit has rough, broken ground with slopes over 60%. Numerous rock outcrops and bluffs.	- \$25.00
Class 4	For logs that are yarded from stump to landing by helicopter. This does not include special forest products.	- \$145.00

Note: A Class 2 adjustment may be used for slopes less than 30% when cable logging is required by a duly promulgated forest practice regulation. Written documentation of this requirement must be provided by the taxpayer to the department.

III. Remote island adjustment:

For timber harvested from a remote island - \$50.00

IV. Thinning (see WAC 458-40-610(21))

Class 1 Average log volume of 50 board feet or more. - \$25.00

Class 2 Average log volume of less than 50 board feet. - \$125.00

**TABLE 10—Harvest Adjustment Table
Stumpage Value Areas 6 and 7**

((July)) January 1 through
((December 31, 1997)) June 30, 1998

Type of Adjustment	Definition	Dollar Adjustment Per Thousand Board Feet Net Scribner Scale
I. Volume per acre		
Class 1	Harvest of more than 8 thousand board feet per acre.	\$0.00
Class 2	Harvest of 3 thousand board feet to 8 thousand board feet per acre.	- \$7.00
Class 3	Harvest of less than 3 thousand board feet per acre.	- \$10.00
II. Logging conditions		
Class 1	Most of the harvest unit has less than 40% slope. No significant rock outcrops or swamp barriers.	\$0.00
Class 2	Most of the harvest unit has slopes between 40% and 60%. Some rock outcrops or swamp barriers.	- \$20.00
Class 3	Most of the harvest unit has rough, broken ground with slopes over 60%. Numerous rock outcrops and bluffs.	- \$30.00
Class 4	For logs that are yarded from stump to landing by helicopter. This does not include special forest products.	- \$145.00

Note: A Class 2 adjustment may be used for slopes less than 30% when cable logging is required by a duly promulgated forest practice regulation. Written documentation of this requirement must be provided by the taxpayer to the department.

III. Remote island adjustment:

For timber harvested from a remote island - \$50.00

TABLE 11—Domestic Market Adjustment

Public Timber

Harvest of timber not sold by a competitive bidding process that is prohibited under the authority of state or federal law from foreign export may be eligible for the domestic market adjustment. The adjustment may be applied only to those species of timber that must be processed domestically. According to type of sale, the adjustment may be applied to the following species:

Federal Timber Sales: All species except Alaska Yellow Cedar. (Stat. Ref. - 36 CFR 223.10)

PERMANENT

State, and Other Nonfederal, Public Timber Sales: Western Red Cedar only. (Stat. Ref. - 50 USC appendix 2406.1)

Private Timber

Harvest of private timber that is legally restricted from foreign export, under the authority of The Forest Resources Conservation and Shortage Relief Act (Public Law 101-382), (16 U.S.C. Sec. 620 et seq.); the Export Administration Act of 1979 (50 U.S.C. App. 2406(i)); a Cooperative Sustained Yield Unit Agreement made pursuant to the Act of March 29, 1944, (16 U.S.C. Sec. 583-583i); or Washington Administrative Code (WAC 240-15-015(2)) is also eligible for the Domestic Market Adjustment.

The adjustment amounts shall be as follows:

Class 1:	SVA's 1 through 6, and 10	\$0.00 per MBF
Class 2:	SVA 7	\$0.00 per MBF

Note: The adjustment will not be allowed on special forest products.

WSR 98-02-017
PERMANENT RULES
DEPARTMENT OF
FISH AND WILDLIFE

[Order 97-245—Filed December 30, 1997, 2:22 p.m.]

Date of Adoption: December 13, 1997.

Purpose: To provide for an accounting mechanism on the sale of eggs and carcasses by volunteer cooperatives and regional enhancement groups.

Citation of Existing Rules Affected by this Order: Amending chapters 220-130 and 220-140 WAC.

Statutory Authority for Adoption: RCW 75.50.100 and 75.52.035.

Adopted under notice filed as WSR 97-22-087 on November 5, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 1, amended 3, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Thirty-one days after filing.

December 17, 1997

Lisa Pelly, Chairperson
Fish and Wildlife Commission

AMENDATORY SECTION (Amending Order 89-02, filed 1/6/89)

WAC 220-130-020 Definitions. For the purposes of this chapter:

(1) Project means a volunteer fisheries resource project.

(2) ~~((Director's))~~ Commission's designee means the director, deputy director or the assistant director for resource management having departmental authority over the species being enhanced by the volunteer program.

(3) Reimbursable expense means an actual expense of the volunteer cooperative project that may be reimbursed by the department to the project from funds generated by the sale of surplus salmon eggs and salmon carcasses from that project. Reimbursable expenses include but are not limited to: Fish food; hardware items; lumber; telephone; electricity; salary for hired labor; office supplies; mileage; insurance; fish culture supplies. Nonreimbursable expenses include purchases of items that have certificate of title or ownership, including but not limited to real estate and motor vehicles, or expenses for debt reduction.

(4) Volunteer cooperative project surplus salmon eggs means those viable salmon eggs that are surplus to both the needs of all programs of the department and other public entities within the state and to the volunteer cooperative project itself. Priority of use of viable eggs ((by the department and other public entities)) is ((the highest priority, and project use is second only to departmental and public entity use)) as established by chapter 220-74 WAC.

AMENDATORY SECTION (Amending Order 89-02, filed 1/6/89)

WAC 220-130-070 Project recovery of reimbursable expenses. ~~((1) In order for a project to recover reimbursable expenses, the project must have an annual budget pre-submitted and approved by the department. The budget must generally show expected expenses, including the names of all persons expected to draw salaries as hired labor.~~

~~((2) The department may sell the products of a project when they are available. The project may not sell products. Nonviable salmon eggs and salmon carcasses shall be sold under competitive bidding. Volunteer cooperative project surplus salmon eggs shall be sold as prescribed by chapter 220-74 WAC, Surplus salmon eggs.~~

~~((3) All moneys received by the department from the sale of project products shall be placed into a special account used solely to fund the reimbursable expenses of that project.~~

~~((4) The project shall annually submit a list of expenses, which will be reviewed by the director or his designee. The department may require actual receipts for items purchased and will require signed timesheets for hired labor salary expenses.~~

~~((5) Reimbursable expenses shall be limited to the actual annual operating expenses of the project. No profit may be realized by the project, and no moneys shall apply to amortization or depreciation.~~

~~((6) Moneys accruing in excess of the reimbursable expense amount, as determined by the director, shall annually be remitted to the state general fund.))~~ (1) For a project to recover expenses from the sale of surplus salmon carcasses and eggs resulting from project supplementation activities, the following requirements must first be met:

(a) Salmon must be returning to a department approved group facility (hatchery, trap or weir);

(b) An approved and current salmon rearing project must be on file with the department;

(c) The agency must declare that a surplus exists beyond the needs of the department, tribes, other public entities, volunteer cooperative projects and regional fisheries enhancement group requirements; and

(d) An annual budget must be presubmitted and approved by the department.

The department shall indicate which expenses are approved for reimbursement. The budget must be submitted to the department by the first of July preceding the expected return of the salmon, and show expected expenses. To collect the funds the project shall annually submit a list of expenses for review by the commission or its designee. The department shall require actual receipts for items purchased. Expenses shall be limited to the actual annual operation expenses of the project as detailed in the preapproved budget. No profit may be realized by the project and no money shall apply to amortization or depreciation.

(2) The department may sell surplus salmon carcasses and nonviable eggs of a project. If the department cannot sell the surplus salmon carcasses and nonviable eggs of a project, then the project may sell them directly, subject to the following guidelines:

(a) Surplus salmon carcasses and nonviable eggs shall be sold under a competitive bidding system;

(b) The project must provide bid information to the commission or its designee for approval prior to any sale;

(c) Revenue resulting from the sale must be deposited by the successful bidder into a special account of the department and used solely to fund the approved expenses of the project that produced the surplus;

(d) Salmon products provided to the volunteer cooperative project by the successful bidder as part of the approved sale arrangement shall strictly adhere to applicable department of health and department of agriculture requirements;

(e) The project shall provide to the department detailed accounting records of salmon products provided by the successful bidder as part of the approved sale arrangement, including: Types and amount of salmon product received; monthly disposition of salmon products including amount sold, amount in storage, or amount no longer viable, and total moneys collected; and

(f) All revenue from the sale of salmon products provided to the successful bidder as part of the approved sale arrangement shall be deposited into a special account of the department and used solely to fund the approved expenses of the volunteer cooperative project that produced the surplus.

(3) The department may sell the surplus viable salmon eggs of a project. Surplus viable salmon eggs will be sold by the department as prescribed in chapter 220-74 WAC. Revenue received shall be deposited into a special account of the department and used solely to fund the approved expenses of the project that produced the surplus. Surplus viable salmon eggs may not be sold by a project.

(4) Revenue from the sale of surplus salmon carcasses and eggs placed into the special account of the project producing the surplus may not exceed the amount reflected by the current preapproved budget for project expenses. Moneys accruing in excess of the approved expense amount,

as determined by the commission or its designee, shall annually be remitted to the state general fund.

(5) All fish produced from a project are intended for release into state waters. Live fish will not be transported from a project without prior written approval of the department.

(6) Surplus carcasses of salmon returning to an approved volunteer cooperative project may be seeded into and along streams for the purpose of nutrient enrichment if a plan has been preapproved and coordinated with the department.

AMENDATORY SECTION (Amending Order 90-06, filed 1/30/90, effective 3/2/90)

WAC 220-140-010 Definitions. The following definitions apply to this chapter:

(1) "Regional fisheries enhancement group" or "group" means a nonprofit association established in compliance with Title 24 RCW, representing diverse interests, and which will work together within a predesignated area for the express purpose of enhancing salmon production and habitat in that area.

(2) ("~~Enhancement project~~" means a project undertaken ~~or overseen by a group, whether publicly or privately funded, the goal of which project is an increase in the salmon resource of the state. Enhancement projects include both salmon production and salmon habitat improvement.~~

(3) ("~~Regional enhancement task force~~" means persons, representing diverse interests, who have been designated by the department of fisheries to review the establishing of groups, to select among competing prospective groups, and to review start up enhancement project applications. ~~Should the legislature authorize a regional fisheries enhancement group advisory board, the board shall take over the responsibilities of the task force.~~) "Regional fisheries enhancement group's project surplus viable salmon eggs" means those viable salmon eggs that are surplus to both the needs of the department and other public entities within the state and to the group itself. The priority for use of viable salmon eggs is as established in chapter 220-74 WAC.

NEW SECTION

WAC 220-140-040 Project funds from the sale of surplus salmon carcasses and eggs. (1) Regional fisheries enhancement groups whose projects produce surplus salmon carcasses and eggs may request that the department sell such surplus, providing the following conditions are met:

(a) Salmon must be returning to a department approved group facility (hatchery, trap or weir);

(b) An approved and current salmon rearing project must be on file with the department;

(c) The department must declare that a surplus exists beyond the needs of the department, tribes, other public entities, and group project requirements; and

(d) Use of funds generated by such sale will be approved by the regional fisheries enhancement group advisory board and the department, using the same procedure as established for handling moneys allocated from the regional fisheries enhancement group account.

(2) The department may sell the surplus salmon carcasses, nonviable eggs and viable eggs of a group project.

Surplus viable salmon eggs shall be sold by the department as prescribed in chapter 220-74 WAC, Surplus salmon eggs. A group may not sell any salmon products resulting from its activities.

(3) All money received by the department from the sale of group surplus salmon carcasses, nonviable eggs and viable eggs shall be placed into the regional fisheries enhancement group account and used solely to fund the expenses of approved activities for the group that developed the project.

(4) All money received by the department from the sale of surplus salmon carcasses, nonviable eggs and viable eggs returning to state funded hatcheries shall be placed into the general regional fisheries enhancement group account. Eighty percent of this money will be distributed equally to each of the twelve groups and twenty percent will be used by the department to administer the program.

(5) All fish produced from an approved group project are intended for release into state waters. Live fish will not be transported from a group project without prior written approval of the department.

(6) Surplus carcasses from salmon returning to a group project may be seeded into and along streams if a plan to do so has been preapproved and coordinated by the department.

**WSR 98-02-018
PERMANENT RULES
DEPARTMENT OF
FISH AND WILDLIFE**

[Order 97-255—Filed December 30, 1997, 2:26 p.m.]

Date of Adoption: December 13, 1997.

Purpose: Amend license suspension and reinstatement rules.

Citation of Existing Rules Affected by this Order: Repealing WAC 232-12-194, 232-12-197 and 232-12-207; and amending WAC 232-12-191.

Statutory Authority for Adoption: RCW 77.12.040.

Adopted under notice filed as WSR 97-22-067 on November 4, 1997.

Changes Other than Editing from Proposed to Adopted Version: (1) Change "convicted three times in five years" to "convicted three times in ten years."

(2) Add "offenses charged as a result of a single incident that result in a conviction."

(3) Add "convicted two times in five years of any gross misdemeanors or felonies for violations involving commercial fishing or hunting laws."

(4) Add "shoots another person or livestock while hunting and causes injury."

(5) Change "gross negligence" to "criminal negligence."

(6) In big game suspensions (subsection (4)), change "two years and one day" to "two years and thirty-one days."

(7) In subsection (4), add, "Should the person be convicted of any violation involving hunting laws under Title 77 RCW after the notice of revocation is mailed or during the period of suspension."

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 1, repealed 3.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 1, repealed 3.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Thirty-one days after filing.

December 30, 1997

Lisa Pelly, Chairperson
Fish and Wildlife Commission

AMENDATORY SECTION (Amending Order 439, filed 5/11/90, effective 6/11/90)

WAC 232-12-191 ((~~Three convictions forfeits~~))
Suspension of licensing privileges—Reinstatement. The department will suspend licensing privileges for the period stated in the following instances.

(1) A person who has been convicted ((of)) three ((violations of the wildlife code of the state of Washington (Title 77 RCW) or rules adopted under that title, within a ten year period;)) times in ten years of any violation involving recreational fishing or hunting laws under Title 77 RCW shall not be issued another recreational license, permit, tag, stamp or ((punchcard)) catch record card for any activity described in chapter 77.32 RCW ((until those privileges are restored by the director)) for a period of two years beginning on the January 1st following the third conviction. The person will be automatically eligible to purchase a license, permit, tag, stamp or catch record card on the second January 1st following the beginning of the suspension of licensing privileges. Should the person be convicted of any violation involving recreational fishing or hunting laws under Title 77 RCW during the period of suspension, for each conviction an additional two year suspension of privileges will be added at the end of the original suspension. For purposes of this subsection, all offenses charged as a result of a single incident that result in a conviction count as a single conviction, except that if more than one big game, protected or endangered animal is killed, each animal counts as a separate conviction.

(2) A person who has been convicted two times in five years of any gross misdemeanors or felonies for violations involving commercial fishing or hunting laws, including taxidermy, shall not be issued another commercial license for any activity described in chapter 77.32 RCW for a period of one year beginning on the January 1st following the second conviction. The person will be automatically eligible to purchase a license on the January 1st following the beginning of the suspension of licensing privileges. Should the person be convicted of any violation involving commercial fishing or hunting laws under Title 77 RCW during the period of suspension, for each conviction an additional one year suspension of privileges will be added at the end of the original suspension. For purposes of this subsection, all offenses charged as a result of a single incident that result in a conviction count as a single conviction, except that if more

than one big game, protected or endangered animal is killed or involved in the violation, each animal counts as a separate conviction.

(3) A person who shoots another person or livestock while hunting and causes injury shall have his or her hunting license revoked, and shall not be issued a hunting license for a period of three years beginning on the January 1st following the shooting if the shooting was the result of negligence, or shall not be issued a hunting license for ten years beginning on the January 1st following the shooting if the shooting was the result of criminal negligence, or reckless or intentional behavior, or if the shooting resulted in the death of a person, and will not be issued a hunting license unless the damages caused by the shooting have been paid. The person will be automatically eligible to purchase a license, permit, tag, or stamp on the fourth or eleventh January 1st following the beginning of the suspension of hunting privileges, respectively, if the damages have been paid. Should the person shoot another person or livestock while hunting privileges are suspended under this subsection, the person will not be issued a hunting license for life.

(4) A person whose hunting privileges are suspended under RCW 77.21.020 shall not be issued a hunting license for a period of two years beginning thirty days after the notice of hunting license revocation and hunting privilege suspension is posted in the United States mail to the person's last known address of record. The person will be automatically eligible to purchase a license, permit, tag, or stamp two years and thirty-one days after the mailing date of the notice. Should the person be convicted of any violation involving hunting laws under Title 77 RCW after the notice of revocation is mailed or during the period of suspension, an additional two-year suspension of privileges will be added at the end of the original suspension.

(5) All revocations provided for in chapter 77.21 RCW and suspensions provided for in this section are appealable under chapter 34.05 RCW, and, if appealed, the revocations and suspension periods will begin thirty days after the entry of a final order.

REPEALER

The following sections of the Washington Administrative Code are repealed:

- WAC 232-12-194 Procedure—Petitions for reissuance of hunting license—Time period for petition—Juvenile applicants.
- WAC 232-12-197 Procedures to review administrative license decisions.
- WAC 232-12-207 Petitions—Consideration by commission.

**WSR 98-02-023
PERMANENT RULES
DEPARTMENT OF AGRICULTURE**

[Filed December 31, 1997, 9:16 a.m.]

Date of Adoption: December 31, 1997.

Purpose: To establish fair, uniform and equitable means for assessing civil penalties and licensing actions for viola-

tions of chapters 16.49, 19.32, 69.04, 69.07, and 69.10 RCW.

Statutory Authority for Adoption: RCW 16.49.680, 19.32.030, 69.04.730, 69.07.020, and 69.10.055.

Adopted under notice filed as WSR 97-22-031 on October 30, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 8, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 8, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 8, amended 0, repealed 0.

Effective Date of Rule: Thirty-one days after filing.

December 31, 1997

James M. Jesernig
Director

**Chapter 16-139 WAC
PENALTIES**

NEW SECTION

WAC 16-139-001 Promulgation and purpose. This chapter is promulgated by the director of agriculture for the purpose of establishing fair, uniform and equitable means for assessing civil penalties and licensing actions authorized under RCW 16.49.444, 19.32.060, 69.04.880, 69.07.060, 69.07.110, 69.07.150(2), 69.10.030 and 69.10.050. The rules adopted in WAC 16-139-005 through 16-139-060 apply to violations of chapters 16.49 RCW (Custom slaughtering), 19.32 RCW (Food lockers), 69.04 RCW (Intrastate commerce in food, drugs, and cosmetics), 69.07 RCW, (Washington Food Processing Act) and 69.10 RCW (Food storage warehouses). The director also declares:

(1) Education and technical assistance play an important role in the prevention, correction or abatement of food safety violations and are the department's preferable alternative to regulatory action. However, at times regulatory action is necessary to deter violations of food safety laws and rules, to educate persons about the consequences of such violations, and to compel compliance with food safety laws for the protection of consumers. The department initiates such actions when educational measures, technical assistance, warning letters, compliance agreements or other remedial measures fail to achieve compliance; and

(2) Any regulatory action taken by the department against any person who violates the provisions of chapters 16.49, 19.32, 69.04, 69.07 and 69.10 RCW, and rules adopted thereunder shall be commensurate with the seriousness of the violation under the circumstances; and

(3) Each person shall be treated fairly in accordance with the rules set forth in this chapter.

PERMANENT

NEW SECTION**WAC 16-139-005 Definitions.** (1) Definitions:

(a) "Violation" means commission of an act or acts prohibited by chapter 16.49, 19.32, 69.04, 69.07 or 69.10 RCW, including rules adopted under them.

(b) "Prior violation" means the same or a similar violation committed by a person within the previous three years.

(c) "Critical violation" means a violation resulting in food adulteration that could cause injury or illness in consumers or that has the potential to contribute to conditions resulting in such adulteration.

(d) "Significant violation" means a violation resulting in food adulteration or food being prepared under unsanitary conditions not apparently related to a public health danger or that has the potential to contribute to conditions resulting in such adulteration and if not corrected could lead to a critical violation.

(e) "Economic violation" means a violation which affects the purchaser economically, either due to misbranding or adulteration where inferior or substandard quality product is substituted, by hiding defects or by false or misleading labeling.

(f) "Other violation" means a violation of chapter 16.49, 19.32, 69.04, 69.07 or 69.10 RCW, not covered under the penalty schedules in WAC 16-139-020 or 16-139-030, including, but not limited to, violation of embargo, mutilation of embargo notices, sale of food from an unlicensed processor, operating without a required license, refusal of inspection or access, interference with the director or the director's designee, or economic and labeling violations.

(g) "Same," with respect to violations, means an identical recurrence or an exact repetition of a previous violation, or a continuation of a previous violation.

(h) "Similar," with respect to violations, means related in appearance or nature; alike though not identical.

(i) "Knowingly" means that the alleged violator had previous warning, knew or reasonably should have known that a condition could result in adverse effects or that a violation would occur.

(j) "Potential," with respect to violations, means that a violation may result in food adulteration or a risk to health or that the violation supports conditions that may contribute to food adulteration or a risk to health.

(k) "Probable," with respect to violations, means that a violation is reasonably likely to result in food adulteration or a risk to health.

(2) Additional definitions for terms used in this chapter are found in the following provisions of law:

(a) Washington Food, Drug and Cosmetic Act, chapter 69.04 RCW.

(b) Washington Food Processing Act, chapter 69.07 RCW.

(c) Current Good Manufacturing Practice in Manufacturing, Packing or Holding Human Food, Title 21, Code of Federal Regulations, Chapter 1, Subchapter B, Part 110.

(d) Food storage warehouses, chapter 69.10 RCW.

(e) Custom Slaughter Act, chapter 16.49 RCW.

NEW SECTION

WAC 16-139-010 Calculation of penalty. (1) Median penalty selection. In the disposition of administrative cases, the department shall determine the penalty as follows:

(a) The department shall first determine the correct penalty assignment schedule table listed in either WAC 16-139-020 (critical violations), WAC 16-139-030 (significant violations), or WAC 16-139-040 (economic and other violations), that is applied based on the type of violation alleged.

(b) The department shall then determine the penalty range based on whether there have been prior violations in last three years.

(c) The department shall then determine:

(i) The probability of a violation causing a risk to health under WAC 16-139-020 (critical violations); or

(ii) The probability of a violation resulting in food adulteration under WAC 16-139-030 (significant violations); or

(iii) Whether the violation was knowing under WAC 16-139-040 (economic and other violations).

(d) The scheduled penalty is then applied unless a proportionate adjustment is made. In no case will a penalty less than the minimum penalty listed for the violation be applied.

(2) Proportionate adjustment of median penalty. The department reserves the right to proportionately increase the civil penalty and proportionately decrease the licensing action under certain circumstances. Such circumstances include situations where licensing action as a deterrent is ineffective and includes but is not limited to violations by persons who are not licensed. Likewise, the department reserves the right to proportionately decrease the civil penalty and proportionately increase the licensing action when circumstances in a particular case demonstrate the ineffectiveness of a civil penalty action as a deterrent.

NEW SECTION

WAC 16-139-020 Penalty assignment schedule—Critical violations.

LEVEL	DEGREE OF RISK TO HEALTH	PENALTY
1st Violation in a 3-year period	A. POTENTIAL	\$200 and 2-day license suspension
	B. PROBABLE	\$1000 and 7-day license suspension
2nd Violation in a 3-year period	A. POTENTIAL	\$400 and 4-day license suspension
	B. PROBABLE	\$1000 and 14-day license suspension
3rd Violation in a 3-year period	A. POTENTIAL	\$800 and 8-day license suspension
	B. PROBABLE	\$1000 and 30-day license suspension

NEW SECTION

WAC 16-139-030 Penalty assignment schedule—Significant violations.

LEVEL	POTENTIAL FOR FOOD ADULTERATION	PENALTY
1st Violation in a 3-year period	A. POTENTIAL	\$100 and 1-day license suspension
	B. PROBABLE	\$200 and 2-day license suspension
2nd Violation in a 3-year period	A. POTENTIAL	\$200 and 2-day license suspension
	B. PROBABLE	\$400 and 4-day license suspension
3rd Violation in a 3-year period	A. POTENTIAL	\$400 and 4-day license suspension
	B. PROBABLE	\$800 and 8-day license suspension

NEW SECTION

WAC 16-139-040 Penalty assignment schedule—Economic and other violations of chapters 16.49, 19.32, 69.04, 69.07, and 69.10 RCW.

LEVEL	DEGREE OF KNOWLEDGE OF VIOLATION	PENALTY
1st Violation in a 3-year period	A. UNKNOWING	\$100 and 1-day license suspension
	B. KNOWING	\$200 and 2-day license suspension
2nd Violation in a 3-year period	A. UNKNOWING	\$200 and 2-day license suspension
	B. KNOWING	\$400 and 4-day license suspension
3rd Violation in a 3-year period	A. UNKNOWING	\$300 and 3-day license suspension
	B. KNOWING	\$1000 and 10-day license suspension

NEW SECTION

WAC 16-139-050 Other dispositions of alleged violations. Nothing herein shall prevent the department from:

- (1) Choosing not to pursue a case administratively.
- (2) Issuing a notice of correction in lieu of pursuing administrative action.
- (3) Negotiating settlement(s) of cases on such terms and for such reasons as it deems appropriate. Prior violation(s) covered by a prior settlement agreement may be used by the department for the purpose of determining the appropriate penalty for the current alleged violation(s) if not prohibited by the agreement.

NEW SECTION

WAC 16-139-060 Disposition of collected penalty money. Money collected by the department as civil penalties for violation of chapters 16.49, 69.04, and 69.10 RCW shall be directed to the state general fund. Money collected by the department as civil penalties for violations of chapter 69.07 RCW shall be utilized for food processing industry technical advisement and assistance in meeting food safety regulations and requirements and food safety education and training of food safety program personnel.

PERMANENT

WSR 98-02-027
PERMANENT RULES
DEPARTMENT OF
LABOR AND INDUSTRIES

[Filed December 31, 1997, 11:03 a.m., effective February 1, 1998]

Date of Adoption: December 31, 1997.

Purpose: WAC 296-128-535 Are professional computer employees exempt from the Washington Minimum Wage Act? State-initiated amendments, creating a new section written according to clear rule-writing guidelines, are adopted to incorporate current Federal Fair Labor Standards Act overtime and minimum wage exemptions for computer software professionals into chapter 296-128 WAC.

Statutory Authority for Adoption: RCW 49.46.010 (5)(c). A typographical error was made on the CR-101 form filed on September 3, 1997, which was repeated on the CR-102 form filed on October 22, 1997. On both of those forms, under "Statutory authority for adoption", the department cited "RCW 49.46.010 (2)(c)" rather than "RCW 49.46.010 (5)(c)." The error was brought to the department's attention and has been corrected on the CR-103 form filed on December 31, 1997.

Adopted under notice filed as WSR 97-21-145 on October 22, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 1, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 1, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 1, amended 0, repealed 0.

Effective Date of Rule: February 1, 1998.

December 31, 1997

Gary Moore
Director

NEW SECTION

WAC 296-128-535 Are professional computer employees exempt from the Washington Minimum Wage Act? (1) Any employee who is a computer system analyst, computer programmer, software engineer, software developer or other similarly skilled worker will be considered a "professional employee" and will be exempt from the minimum wage and overtime provisions of the Washington Minimum Wage Act if:

(a) Their primary duty is of one of the following:

(i) Applying systems analysis techniques and procedures to determine hardware, software, or system functional specifications for any user of such services; or

(ii) Following user or system design specifications to design, develop, document, analyze, create, test or modify

any computer system, application or program, including prototypes; or

(iii) Designing, documenting, testing, creating or modifying computer systems, applications or programs for machine operation systems; or

(iv) Any combination of the above primary duties whose performance requires the same skill level; and

(b) Their rate of pay is at least \$27.63 per hour.

(2) **This professional exemption only applies to highly skilled employees who:**

(a) Possess a high degree of theoretical knowledge and understanding of computer system analysis, programming and software engineering; and

(b) Have the ability to practically apply that theoretical knowledge and understanding to highly specialized computer fields; and

(c) Generally attain the necessary level of expertise and skill to qualify for an exemption through a combination of education and experience in the field; and

(d) Consistently exercise discretion and judgment in the application of their special knowledge as opposed to performing purely mechanical or routine tasks; and

(e) Engage in work that is predominantly intellectual and inherently varied in character as opposed to work that is routinely mental, manual, mechanical, or physical.

(3) While many employees who qualify for this exemption hold a bachelor's or higher degree, **no degree is required for this exemption.**

(4) **This professional exemption does not apply to:**

(a) Trainees or employees in entry level positions learning to become proficient in computer systems analysis, programming and software engineering; or

(b) Employees in computer systems analysis, programming and software engineering positions who have not attained a level of skill and expertise which allows them to generally work independently and without close supervision; or

(c) Employees engaged in the operation of computers; or

(d) Employees engaged in the manufacture, repair or maintenance of computer hardware and related equipment; or

(e) Employees covered by a collective bargaining agreement.

WSR 98-02-028
PERMANENT RULES
DEPARTMENT OF
LABOR AND INDUSTRIES
[Filed December 31, 1997, 11:10 a.m.]

Date of Adoption: December 31, 1997.

Purpose: Chapter 296-24 WAC, General safety and health standards, the existing department requirement relating to 150° maximum angular exposure for surface grinders and cut-off wheels was based on the 1970 American National Standards Institute (ANSI) standard ANSI B7.1.

This requirement, found in WAC 296-24-18005, is out of date based on the current ANSI standard, which was amended in 1978 and 1988 to allow a 180° maximum angular exposure for surface grinders and cut-off wheels. In

In addition, there is no data currently available to support or suggest that the difference between 150° and 180° maximum exposure presents any direct and immediate relationship to worker safety and health. Therefore, the department is amending chapter 296-24 WAC to allow a 180° maximum angular exposure for surface grinders and cut-off wheels. This amendment does not establish additional compliance requirements.

This amendment:

- Makes the standard consistent with current ANSI standards;
- Makes the standard consistent with chapter 296-155 WAC, Safety standards for construction (this standard references a semicircular enclosure, and therefore allowing the 180° angle of exposure) thus ensuring clarity and eliminating the need for a separate interpretive policy because of the differences between the standards; and
- Incorporates longstanding OSHA and Department of Labor and Industries' enforcement policies into Washington Administrative Code, which is consistent with requirements of regulatory reform.

Amended section WAC 296-24-18005 Guarding of abrasive wheel machinery, a state-initiated amendment changes the maximum angular exposure for surface grinders and cut-off wheels from 150° to 180°.

Citation of Existing Rules Affected by this Order:
Amending 1 [WAC 296-24-18005].

Statutory Authority for Adoption: RCW 49.17.010, [49.17].040, and [49.17].050.

Adopted under notice filed as WSR 97-21-041 on October 10, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 1, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 1, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 1, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Thirty-one days after filing.

December 31, 1997

Gary Moore

Director

AMENDATORY SECTION (Amending Order 76-6, filed 3/1/76)

WAC 296-24-18005 Guarding of abrasive wheel machinery. (1) Cup wheels. Cup wheels (types 6 and 11) shall be protected by:

(a) Safety guards as specified in (1) through (10) of this section.

(b) Band type guards as specified in (11) of this section; and

(c) Special "revolving cup guards" which mount behind the wheel and turn with it. They shall be made of steel or other material with adequate strength and shall enclose the wheel sides upward from the back for one-third of the wheel thickness. The mounting features shall conform with all requirements of this section. It is necessary to maintain clearance between the wheel side and the guard. This clearance shall not exceed one-sixteenth inch.

(2) Guard exposure angles. The maximum exposure angles specified in (3) through (8) of this section shall not be exceeded. Visors or other accessory equipment shall not be included as a part of the guard when measuring the guard opening, unless such equipment has strength equal to that of the guard.

(3) Bench and floor stands. The angular exposure of the grinding wheel periphery and sides for safety guards used on machines known as bench and floor stands should not exceed 90° or one-fourth of the periphery. This exposure shall begin at a point not more than 65° above the horizontal plane of the wheel spindle. (See Figures O-6 and O-7 and (9) of this section.)

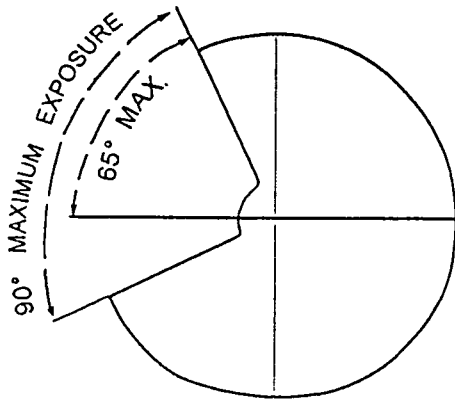


Figure No. O-6

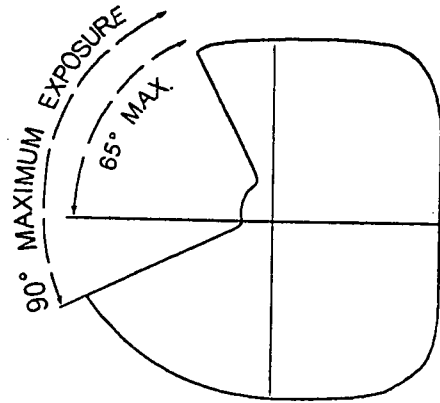


Figure No. O-7

Wherever the nature of the work requires contact with the wheel below the horizontal plane of the spindle, the exposure shall not exceed 125°. (See Figures O-8 and O-9.)

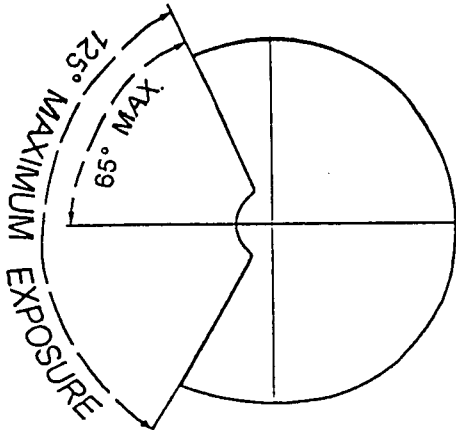


Figure No. O-8

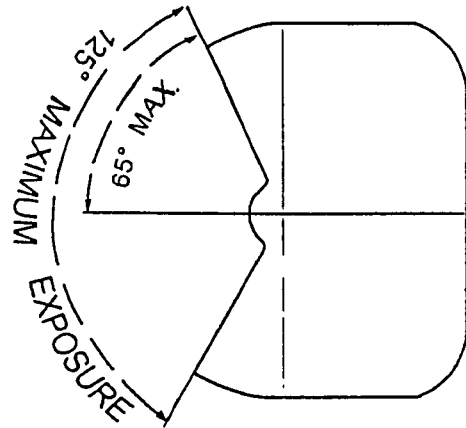


Figure No. O-9

(4) Cylindrical grinders. The maximum angular exposure of the grinding wheel periphery and sides for safety guards used on cylindrical grinding machines shall not exceed 180°. This exposure shall begin at a point not more than 65° above the horizontal plane of the wheel spindle. (See Figures O-10 and O-11 and (9) of this section.)

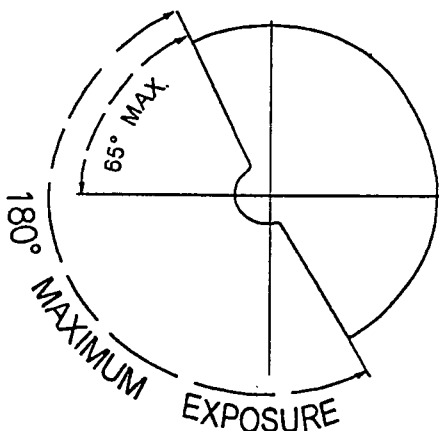


Figure No. O-10

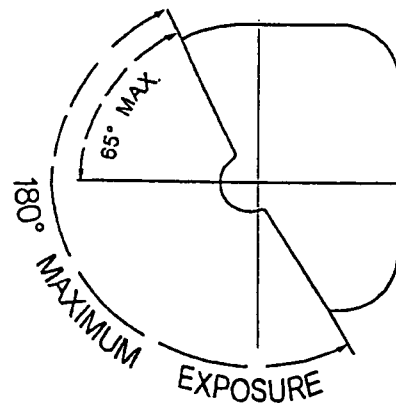


Figure No. O-11

PERMANENT

(5) Surface grinders and cutting-off machines. The maximum angular exposure of the grinding wheels periphery and sides for safety guards used on cutting-off machines and on surface grinding machines which employ the wheel periphery shall not exceed $(\pm 50^\circ)$ 180° . This exposure shall begin at a point not less than 15° below the horizontal plane of the wheel spindle. (See Figures O-12 and O-13.)

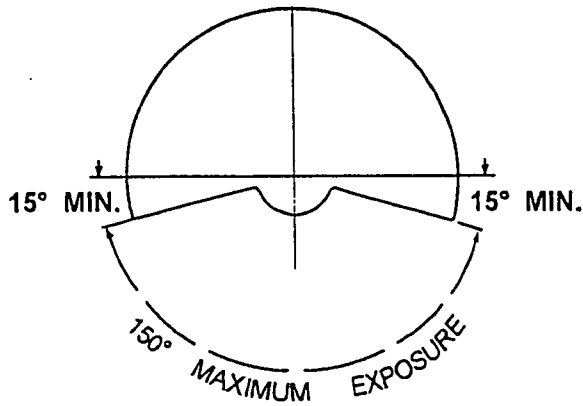


Figure No. O-12

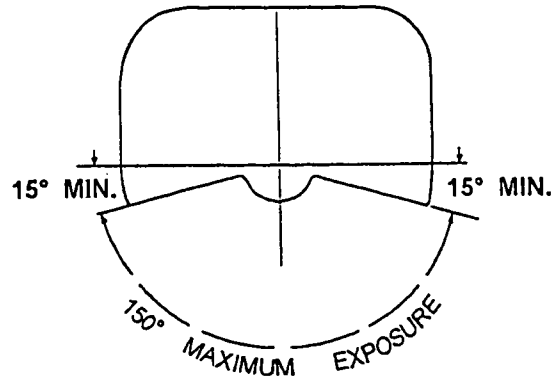


Figure No. O-13

(6) Swing frame grinders. The maximum angular exposure of the grinding wheel periphery and sides for safety guards used on machines known as swing frame grinding machines shall not exceed 180° , and the top half of the wheel shall be enclosed at all times. (See Figures O-14 and O-15.)

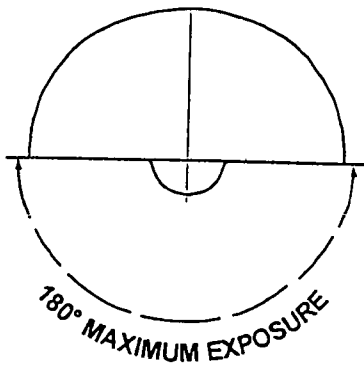


Figure No. O-14

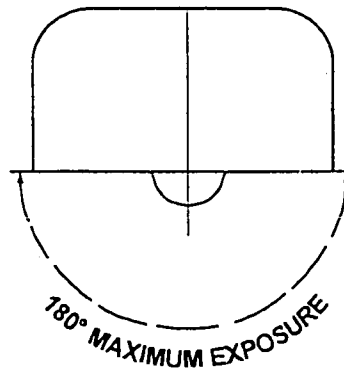


Figure No. O-15

(7) Automatic snagging machines. The maximum angular exposure of the grinding wheel periphery and sides for safety guards used on grinders known as automatic snagging machines shall not exceed 180° and the top half of the wheel shall be enclosed at all times. (See Figures O-14 and O-15.)

(8) Top grinding. Where the work is applied to the wheel above the horizontal centerline, the exposure of the grinding wheel periphery shall be as small as possible and shall not exceed 60° . (See Figures O-16 and O-17.)

PERMANENT

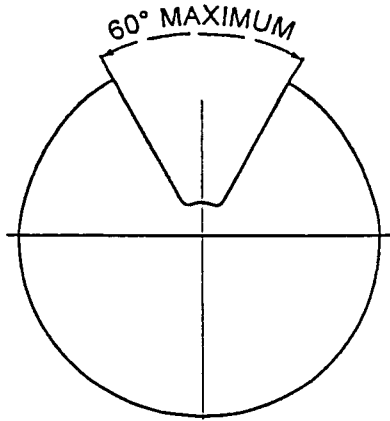


Figure No. O-16

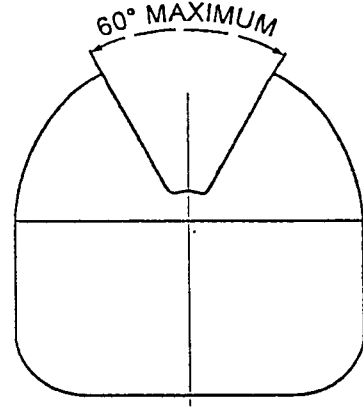


Figure No. O-17

(9) Exposure adjustment. Safety guards of the types described in (3) and (4) of this section, where the operator stands in front of the opening, shall be constructed so that the peripheral protecting member can be adjusted to the constantly decreasing diameter of the wheel. The maximum angular exposure above the horizontal plane of the wheel spindle as specified in (3) and (4) of this section shall never be exceeded, and the distance between the wheel periphery and the adjustable tongue or the end of the peripheral member at the top shall never exceed one-fourth inch. (See Figures O-18, O-19, O-20, O-21, O-22, and O-23.)

(10) Material requirements and minimum dimensions. (a) See Figures O-36 and O-37 and Table O-9 for minimum basic thickness of peripheral and side members for various types of safety guards and classes of service.

(b) If operating speed does not exceed 8,000 surface feet per minute cast iron safety guards, malleable iron guards or other guards as described in item (10)(c) of this subsection.

(c) Cast steel, or structural steel, safety guards as specified in Figures O-36 and O-37 and Table O-9 shall be used where operating speeds of wheels are faster than 8,000 surface feet per minute up to a maximum of 16,000 surface feet per minute.

(d) For cutting-off wheels 16 inches diameter and smaller and where speed does not exceed 16,000 surface feet per minute, cast iron or malleable iron safety guards as specified in Figures O-36 and O-37 and in Table O-9 shall be used.

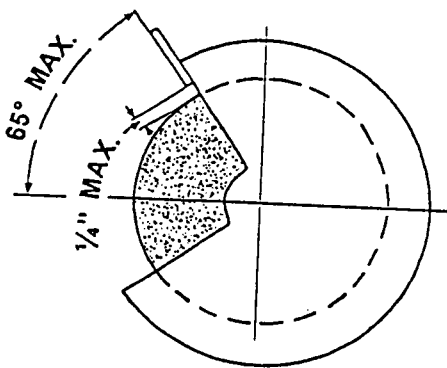


Figure No. O-18

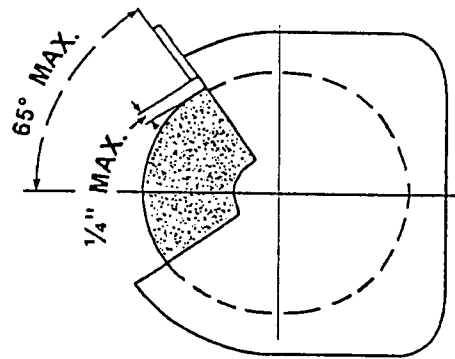


Figure No. O-19

CORRECT

Showing adjustable tongue giving required angular protection for all sizes of wheel used.

PERMANENT

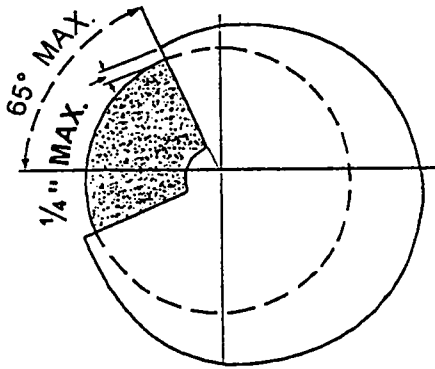


Figure No. O-20

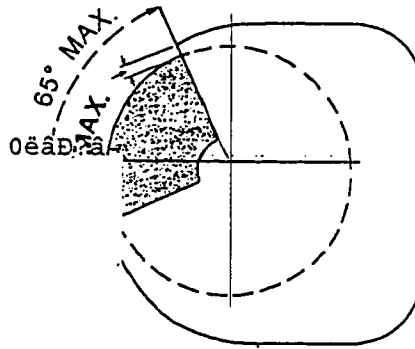


Figure No. O-21

CORRECT

Showing movable guard with opening small enough to give required protection for smallest size wheel used.

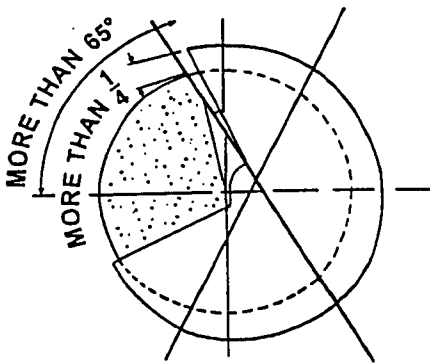


Figure No. O-22

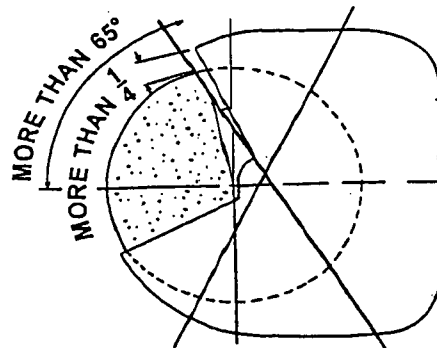


Figure No. O-23

INCORRECT

Showing movable guard with size of opening correct for full size wheel but too large for smaller wheels.

(e) For cutting-off wheels larger than 16 inches diameter and where speed does not exceed 14,200 surface feet per minute, safety guards as specified in Figures O-27 and O-28, and in Table O-1 shall be used.

(f) For thread grinding wheels not exceeding 1 inch in thickness cast iron or malleable iron safety guards as specified in Figures O-36 and O-37, and in Table O-9 shall be used.

(11) Band type guards—General specifications. Band type guards shall conform to the following general specifications:

(a) The bands shall be of steel plate or other material of equal or greater strength. They shall be continuous, the ends being either riveted, bolted, or welded together in such a manner as to leave the inside free from projections.

(b) The inside diameter of the band shall not be more than 1 inch larger than the outside diameter of the wheel, and shall be mounted as nearly concentric with the wheel as practicable.

(c) The band shall be of sufficient width and its position kept so adjusted that at no time will the wheel protrude beyond the edge of the band a distance greater than that indicated in Figure O-29 and in Table O-2 or the wall thickness (W), whichever is smaller.

(12) Guard design specifications. Abrasive wheel machinery guards shall meet the design specifications of the American National Standard Safety Code for the Use, Care, and Protection of Abrasive Wheels, ANSI B7.1-1970. This requirement shall not apply to natural sandstone wheels or metal, wooden, cloth, or paper discs, having a layer of abrasive on the surface.

WSR 98-02-029
PERMANENT RULES
DEPARTMENT OF
LABOR AND INDUSTRIES
 [Filed December 31, 1997, 11:14 a.m.]

Date of Adoption: December 31, 1997.

Purpose: Chapter 296-63 WAC, Right to know fee assessments, the legislature established the right to know program in 1984 to disclose information about hazardous substances in the workplace and community, and to provide residents of Washington state access to hazardous substance information (chapter 49.70 RCW). RCW 49.70.170 requires the department to adopt the rules necessary to collect fees from certain employers to support the right to know program.

PERMANENT

Employers granted exemptions from paying right to know fees are no longer required to pay the fee for the billing period in which the exemption is granted, resulting in more equitable treatment of employers. Redundant language relating to retroactive exemptions has been eliminated, although this does not affect the prohibition against granting retroactive exemptions. There are no additional compliance requirements.

Amended section WAC 296-63-009 Exemption requests, state-initiated amendments are made to:

- WAC 296-63-009(1): Wording changes in this subsection allow the exemption to take effect immediately upon approval by the agency.
- WAC 296-63-009(2): Delete this subsection to eliminate redundant language.

Citation of Existing Rules Affected by this Order: Amending 1 [WAC 296-63-009].

Statutory Authority for Adoption: RCW 49.70.170 and 49.17.040.

Adopted under notice filed as WSR 97-21-042 on October 10, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 1, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 1, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 1, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Thirty-one days after filing.
December 31, 1997
Gary Moore
Director

AMENDATORY SECTION (Amending Order 86-38, filed 11/6/86)

WAC 296-63-009 Exemption requests. (1) Employers who do not have hazardous chemicals at their workplace may submit a written request for exemption to the department. Submission of an exemption request does not relieve an employer of his/her obligation to pay the fee assessment until such time as the request is approved. Employers granted exemptions will be removed from the listing of employers to be assessed a fee beginning with the ~~((first))~~ current billing ~~((following the date the exemption request is approved))~~ period.

(2) ~~((Retroactive exemption requests shall not be granted.~~

~~(3))~~ Exemptions shall only be considered for an employer's entire workplace consisting of all activities reported to the department under the same employer identification number.

~~((4))~~ (3) Each request for exemption must contain the following information:

- (a) Firm name and employer identification number;
- (b) Complete mailing address;
- (c) Complete location (such as street) address;
- (d) A certified statement in the form required by RCW 9A.72.085 that a hazardous chemical survey of the employer's premises has been completed by a qualified person, the identity and qualifications of the person completing the survey, and that no hazardous chemicals as defined by WAC 296-62-054 through 296-62-05427 are present at the workplace.

~~((5))~~ (4) The department may schedule an on-site inspection to determine the validity of the exemption request.

~~((6))~~ (5) The employer shall provide to the department within five working days of receiving a request from the department, any additional information identified by the department as necessary for evaluating the exemption request.

~~((7))~~ (6) Exemption requests shall be mailed to:

Right to Know Program
Department of Labor and Industries ~~((HC 489
805 Plum Street S.E.))~~
P.O. Box 44620
Olympia, Washington 98504-4620

WSR 98-02-030
PERMANENT RULES
DEPARTMENT OF
LABOR AND INDUSTRIES
[Filed December 31, 1997, 11:18 a.m.]

Date of Adoption: December 31, 1997.

Purpose: Chapter 296-62 WAC, General occupational health standards, state-initiated amendments to WAC 296-62-07347 and 296-62-07354 for inorganic arsenic and to WAC 296-62-20017, 296-62-20027, and 296-62-20029 for coke oven emissions eliminate sputum cytology examinations and require annual rather than semiannual chest x-rays. On July 22, 1996, OSHA announced its intention to make these changes based on their review of the medical data (Federal Register Volume 61, pages 37849-37865). In response, the department issued WISHA Interim Interpretive Memorandum #97-2-C on February 28, 1997, which instructed staff not to enforce the requirements in question. The amendments adopted eliminate obsolete sputum cytology requirements, reduce unnecessary health risks associated with semiannual chest x-rays, and eliminate the need for separate policy guidance by accurately reflecting the current department enforcement practices in chapter 296-62 WAC. The amendments reduce compliance requirements.

AMENDED SECTIONS

WAC 296-62-07347 Inorganic arsenic, state-initiated amendments to medical surveillance and recordkeeping:

- Eliminate sputum cytology examination requirements,
- Change the chest x-ray requirements from semiannually to annually for certain employees, and
- Eliminate recordkeeping requirement for cytological examination slides.

WAC 296-62-07354 Appendices—Inorganic arsenic, state-initiated amendments:

- Eliminate sputum cytology examination requirements,
- Change the chest x-ray requirements from semiannually to annually for certain employees, and
- Eliminate procedures for collecting sputum and other diagnostic medical information related to sputum cytology.

WAC 296-62-20017 Medical surveillance in Part O coke oven emissions, state-initiated amendments:

- Eliminate sputum cytology examination requirements and
- Change the chest x-ray requirements from semiannually to annually for certain employees.

WAC 296-62-20027 Appendix A—Coke oven emissions substances information sheet, state-initiated amendments:

- Eliminate sputum cytology examination requirements and
- Change the chest x-ray requirements from semiannually to annually for certain employees.

WAC 296-62-20029 Appendix B—Industrial hygiene and medical surveillance guidelines in Part O coke oven emissions, state-initiated amendments:

- Eliminate sputum cytology examination requirements,
- Change the chest x-ray requirements from semiannually to annually for certain employees, and
- Eliminate procedures for collecting sputum and other diagnostic medical information related to sputum cytology.

Citation of Existing Rules Affected by this Order: Amending 5 [WAC 296-62-07347, 296-62-07354, 296-62-20017, 296-62-20027, and 296-62-20029].

Statutory Authority for Adoption: RCW 49.17.010, [49.17].040, and [49.17].050.

Adopted under notice filed as WSR 97-21-040 on October 10, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 5, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 5, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 5, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Thirty-one days after filing.

December 31, 1997

Gary Moore
Director

AMENDATORY SECTION (Amending Order 94-07, filed 7/20/94, effective 9/20/94)

WAC 296-62-07347 Inorganic arsenic. (1) Scope and application. This section applies to all occupational exposures to inorganic arsenic except that this section does not apply to employee exposures in agriculture or resulting from pesticide application, the treatment of wood with preservatives or the utilization of arsenically preserved wood.

(2) Definitions.

(a) "Action level" - a concentration of inorganic arsenic of 5 micrograms per cubic meter of air ($5 \mu\text{g}/\text{m}^3$) averaged over any eight-hour period.

(b) "Authorized person" - any person specifically authorized by the employer whose duties require the person to enter a regulated area, or any person entering such an area as a designated representative of employees for the purpose of exercising the right to observe monitoring and measuring procedures under subsection (5) of this section.

(c) "Director" - the director of the department of labor and industries, or his/her designated representative.

(d) "Inorganic arsenic" - copper aceto-arsenite and all inorganic compounds containing arsenic except arsine, measured as arsenic (As).

(3) Permissible exposure limit. The employer shall assure that no employee is exposed to inorganic arsenic at concentrations greater than 10 micrograms per cubic meter of air ($10 \mu\text{g}/\text{m}^3$), averaged over any eight-hour period.

(4) Notification of use.

(a) By October 1, 1978, or within sixty days after the introduction of inorganic arsenic into the workplace, every employer who is required to establish a regulated area in his/her workplaces shall report in writing to the department of labor and industries for each such workplace:

(i) The address of each such workplace;

(ii) The approximate number of employees who will be working in regulated areas; and

(iii) A brief summary of the operations creating the exposure and the actions which the employer intends to take to reduce exposures.

(b) Whenever there has been a significant change in the information required by subsection (4)(a) of this section, the employer shall report the changes in writing within sixty days to the department of labor and industries.

(5) Exposure monitoring.

(a) General.

(i) Determinations of airborne exposure levels shall be made from air samples that are representative of each employee's exposure to inorganic arsenic over an eight-hour period.

(ii) For the purposes of this section, employee exposure is that exposure which would occur if the employee were not using a respirator.

(iii) The employer shall collect full shift (for at least seven continuous hours) personal samples including at least one sample for each shift for each job classification in each work area.

(b) Initial monitoring. Each employer who has a workplace or work operation covered by this standard shall monitor each such workplace and work operation to accurately determine the airborne concentration of inorganic arsenic to which employees may be exposed.

(c) Frequency.

(i) If the initial monitoring reveals employee exposure to be below the action level the measurements need not be repeated except as otherwise provided in subsection (5)(d) of this section.

(ii) If the initial monitoring, required by this section, or subsequent monitoring reveals employee exposure to be above the permissible exposure limit, the employer shall repeat monitoring at least quarterly.

(iii) If the initial monitoring, required by this section, or subsequent monitoring reveals employee exposure to be above the action level and below the permissible exposure limit the employee shall repeat monitoring at least every six months.

(iv) The employer shall continue monitoring at the required frequency until at least two consecutive measurements, taken at least seven days apart, are below the action level at which time the employer may discontinue monitoring for that employee until such time as any of the events in subsection (5)(d) of this section occur.

(d) Additional monitoring. Whenever there has been a production, process, control or personal change which may result in new or additional exposure to inorganic arsenic, or whenever the employer has any other reason to suspect a change which may result in new or additional exposures to inorganic arsenic, additional monitoring which complies with subsection (5) of this section shall be conducted.

(e) Employee notification.

(i) Within five working days after the receipt of monitoring results, the employer shall notify each employee in writing of the results which represent that employee's exposures.

(ii) Whenever the results indicate that the representative employee exposure exceeds the permissible exposure limit, the employer shall include in the written notice a statement that the permissible exposure limit was exceeded and a description of the corrective action taken to reduce exposure to or below the permissible exposure limit.

(f) Accuracy of measurement.

(i) The employer shall use a method of monitoring and measurement which has an accuracy (with a confidence level of 95 percent) of not less than plus or minus 25 percent for concentrations of inorganic arsenic greater than or equal to $10 \mu\text{g}/\text{m}^3$.

(ii) The employer shall use a method of monitoring and measurement which has an accuracy (with confidence level of 95 percent) of not less than plus or minus 35 percent for concentrations of inorganic arsenic greater than $5 \mu\text{g}/\text{m}^3$ but less than $10 \mu\text{g}/\text{m}^3$.

(6) Regulated area.

(a) Establishment. The employer shall establish regulated areas where worker exposures to inorganic arsenic, without regard to the use of respirators, are in excess of the permissible limit.

(b) Demarcation. Regulated areas shall be demarcated and segregated from the rest of the workplace in any manner that minimizes the number of persons who will be exposed to inorganic arsenic.

(c) Access. Access to regulated areas shall be limited to authorized persons or to persons otherwise authorized by the Act or regulations issued pursuant thereto to enter such areas.

(d) Provision of respirators. All persons entering a regulated area shall be supplied with a respirator, selected in accordance with subsection (8)(b) of this section.

(e) Prohibited activities. The employer shall assure that in regulated areas, food or beverages are not consumed, smoking products, chewing tobacco and gum are not used and cosmetics are not applied, except that these activities may be conducted in the lunchrooms, change rooms and showers required under subsection (12) of this section. Drinking water may be consumed in the regulated area.

(7) Methods of compliance.

(a) Controls.

(i) The employer shall institute at the earliest possible time but not later than December 31, 1979, engineering and work practice controls to reduce exposures to or below the permissible exposure limit, except to the extent that the employer can establish that such controls are not feasible.

(ii) Where engineering and work practice controls are not sufficient to reduce exposures to or below the permissible exposure limit, they shall nonetheless be used to reduce exposures to the lowest levels achievable by these controls and shall be supplemented by the use of respirators in accordance with subsection (8) of this section and other necessary personal protective equipment. Employee rotation is not required as a control strategy before respiratory protection is instituted.

(b) Compliance program.

(i) The employer shall establish and implement a written program to reduce exposures to or below the permissible exposure limit by means of engineering and work practice controls.

(ii) Written plans for these compliance programs shall include at least the following:

(A) A description of each operation in which inorganic arsenic is emitted; e.g., machinery used, material processed, controls in place, crew size, operating procedures and maintenance practices;

(B) Engineering plans and studies used to determine methods selected for controlling exposure to inorganic arsenic;

(C) A report of the technology considered in meeting the permissible exposure limit;

(D) Monitoring data;

(E) A detailed schedule for implementation of the engineering controls and work practices that cannot be implemented immediately and for the adaption and implementation of any additional engineering and work practices necessary to meet the permissible exposure limit;

(F) Whenever the employer will not achieve the permissible exposure limit with engineering controls and work practices by December 31, 1979, the employer shall include in the compliance plan an analysis of the effectiveness of the various controls, shall install engineering controls and institute work practices on the quickest schedule feasible, and shall include in the compliance plan and implement a program to minimize the discomfort and maximize the effectiveness of respirator use; and

(G) Other relevant information.

(iii) Written plans for such a program shall be submitted upon request to the director, and shall be available at the worksite for examination and copying by the director, any affected employee or authorized employee representatives.

(iv) The plans required by this subsection shall be revised and updated at least every six months to reflect the current status of the program.

(8) Respiratory protection.

(a) General. The employer shall assure that respirators are used where required under this section to reduce employee exposures to below the permissible exposure limit and in emergencies. Respirators shall be used in the following circumstances:

(i) During the time period necessary to install or implement feasible engineering or work practice controls;

(ii) In work operations such as maintenance and repair activities in which the employer establishes that engineering and work practice controls are not feasible;

(iii) In work situations in which engineering controls and supplemental work practice controls are not yet sufficient to reduce exposures to or below the permissible exposure limit; or

(iv) In emergencies.

(b) Respirator selection.

(i) Where respirators are required under this section the employer shall select, provide at no cost to the employee and assure the use of the appropriate respirator or combination of respirators from Table I for inorganic arsenic compounds without significant vapor pressure, or Table II for inorganic arsenic compounds which have significant vapor pressure.

(ii) Where employee exposures exceed the permissible exposure limit for inorganic arsenic and also exceed the relevant limit for particular gasses such as sulfur dioxide, any air purifying respirator supplied to the employee as permitted by this standard must have a combination high efficiency filter with an appropriate gas sorbent. (See footnote in Table I)

TABLE I

RESPIRATORY PROTECTION FOR INORGANIC ARSENIC PARTICULATE EXCEPT FOR THOSE WITH SIGNIFICANT VAPOR PRESSURE

Concentration of Inorganic Arsenic (as As) or Condition of Use	Required Respirator
(i) Unknown or greater or lesser than 20,000 µg/m ³ (20 mg/m ³) firefighting.	(A) Any full facepiece self-contained or breathing apparatus operated in positive pressure mode.
(ii) Not greater than 20,000 µg/m ³ (20 mg/m ³)	(A) Supplied air respirator with full facepiece, hood, or helmet or suit and operated in positive pressure mode.

(iii) Not greater than 10,000 µg/m³ (10 mg/m³)

(iv) Not greater than 500 µg/m³

(v) Not greater than 100 µg/m³

(A) Powered air-purifying respirators in all inlet face coverings with high-efficiency filters.¹

(B) Half-mask supplied air respirators operated in positive pressure mode.

(A) Full facepiece air-purifying respirator equipped with high-efficiency filter.¹

(B) Any full facepiece supplied air respirator.

(C) Any full facepiece self-contained breathing apparatus.

(A) Half-mask air-purifying respirator equipped with high-efficiency filter.¹

(B) Any half-mask supplied air respirator.

¹ High-efficiency filter-99.97 pct efficiency against 0.3 micrometer monodisperse diethyl-hexyl phthalate (DOP) particles.

TABLE II

RESPIRATORY PROTECTION FOR INORGANIC ARSENICALS (SUCH AS ARSENIC TRICHLORIDE² AND ARSENIC PHOSPHIDE) WITH SIGNIFICANT VAPOR PRESSURE

Concentration of Inorganic Arsenic (as As) or Condition of Use	Required Respirator
(i) Unknown or greater or lesser than 20,000 µg/m ³ (20 mg/m ³) or firefighting.	(A) Any full facepiece contained breathing apparatus operated in positive pressure mode.
(ii) Not greater than 20,000 µg/m ³ (20 mg/m ³)	(A) Supplied air respirator with full facepiece hood, or helmet or suit and operated in positive pressure mode.
(iii) Not greater than 10,000 µg/m ³ (10 mg/m ³)	(A) Half-mask ² supplied air respirator operated in positive pressure mode.
(iv) Not greater than 500 µg/m ³	(A) Front or back mounted gas mask equipped with high-efficiency filter ¹ and acid gas canister. (B) Any full facepiece supplied air respirator.

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- (v) Not greater than 100 $\mu\text{g}/\text{m}^3$
- (C) Any full facepiece self-contained breathing apparatus.
- (A) Half-mask² air-purifying respirator equipped with high-efficiency filter¹ and acid gas cartridge.
- (B) Any half-mask supplied air respirator.

¹ High efficiency filter-99.97 pct efficiency against 0.3 micrometer monodisperse diethyl-hexyl phthalate (DOP) particles.

² Half-mask respirators shall not be used for protection against arsenic trichloride, as it is rapidly absorbed through the skin.

(iii) The employer shall select respirators from among those approved for protection against dust, fume, and mist by the National Institute for Occupational Safety and Health (NIOSH) under the provisions of 30 CFR Part 11.

(c) Respirator usage.

(i) The employer shall assure that the respirator issued to the employee exhibits minimum facepiece leakage and that the respirator is fitted properly.

(ii) The employer shall perform qualitative fit tests at the time of initial fitting and at least semi-annually thereafter for each employee wearing respirators, where quantitative fit tests are not required.

(iii) Employers with more than twenty employees wearing respirators shall perform a quantitative face fit test at the time of initial fitting and at least semi-annually thereafter for each employee wearing negative pressure respirators. The test shall be used to select facepieces that provide the required protection as prescribed in Table I or II.

(iv) If an employee has demonstrated difficulty in breathing during the fitting test or during use, he or she shall be examined by a physician trained in pulmonary medicine to determine whether the employee can wear a respirator while performing the required duty.

(d) Respirator program.

(i) The employer shall institute a respiratory protection program in accordance with WAC 296-62-071.

(ii) The employer shall permit each employee who uses a filter respirator to change the filter elements whenever an increase in breathing resistance is detected and shall maintain an adequate supply of filter elements for this purpose.

(iii) Employees who wear respirators shall be permitted to leave work areas to wash their face and respirator facepiece to prevent skin irritation associated with respirator use.

(e) Commencement of respirator use.

(i) The employer's obligation to provide respirators commences on August 1, 1978, for employees exposed over 500 $\mu\text{g}/\text{m}^3$ of inorganic arsenic, as soon as possible but not later than October 1, 1978, for employees exposed to over 50 $\mu\text{g}/\text{m}^3$ of inorganic arsenic, and as soon as possible but not later than December 1, 1978, for employees exposed between 10 and 50 $\mu\text{g}/\text{m}^3$ of inorganic arsenic.

(ii) Employees with exposures below 50 $\mu\text{g}/\text{m}^3$ of inorganic arsenic may choose not to wear respirators until December 31, 1979.

(iii) After December 1, 1978, any employee required to wear air purifying respirators may choose, and if so chosen the employer must provide, if it will give proper protection, a powered air purifying respirator and in addition if necessary a combination dust and acid gas respirator for times where exposures to gases are over the relevant exposure limits.

(9) Reserved.

(10) Protective work clothing and equipment.

(a) Provision and use. Where the possibility of skin or eye irritation from inorganic arsenic exists, and for all workers working in regulated areas, the employer shall provide at no cost to the employee and assure that employees use appropriate and clean protective work clothing and equipment such as, but not limited to:

(i) Coveralls or similar full-body work clothing;

(ii) Gloves, and shoes or coverlets;

(iii) Face shields or vented goggles when necessary to prevent eye irritation, which comply with the requirements of WAC 296-24-07801 (1) - (6).

(iv) Impervious clothing for employees subject to exposure to arsenic trichloride.

(b) Cleaning and replacement.

(i) The employer shall provide the protective clothing required in subsection (10)(a) of this section in a freshly laundered and dry condition at least weekly, and daily if the employee works in areas where exposures are over 100 $\mu\text{g}/\text{m}^3$ of inorganic arsenic or in areas where more frequent washing is needed to prevent skin irritation.

(ii) The employer shall clean, launder, or dispose of protective clothing required by subsection (10)(a) of this section.

(iii) The employer shall repair or replace the protective clothing and equipment as needed to maintain their effectiveness.

(iv) The employer shall assure that all protective clothing is removed at the completion of a work shift only in change rooms prescribed in subsection (13)(a) of this section.

(v) The employer shall assure that contaminated protective clothing which is to be cleaned, laundered, or disposed of, is placed in a closed container in the change-room which prevents dispersion of inorganic arsenic outside the container.

(vi) The employer shall inform in writing any person who cleans or launders clothing required by this section, of the potentially harmful affects including the carcinogenic effects of exposure to inorganic arsenic.

(vii) The employer shall assure that the containers of contaminated protective clothing and equipment in the workplace or which are to be removed from the workplace are labeled as follows:

Caution: Clothing contaminated with inorganic arsenic; do not remove dust by blowing or shaking. Dispose of inorganic arsenic contaminated wash water in accordance with applicable local, state, or federal regulations.

(viii) The employer shall prohibit the removal of inorganic arsenic from protective clothing or equipment by blowing or shaking.

(11) Housekeeping.

(a) Surfaces. All surfaces shall be maintained as free as practicable of accumulations of inorganic arsenic.

(b) Cleaning floors. Floors and other accessible surfaces contaminated with inorganic arsenic may not be cleaned by the use of compressed air, and shoveling and brushing may be used only where vacuuming or other relevant methods have been tried and found not to be effective.

(c) Vacuuming. Where vacuuming methods are selected, the vacuums shall be used and emptied in a manner to minimize the reentry of inorganic arsenic into the workplace.

(d) Housekeeping plan. A written housekeeping and maintenance plan shall be kept which shall list appropriate frequencies for carrying out housekeeping operations, and for cleaning and maintaining dust collection equipment. The plan shall be available for inspection by the director.

(e) Maintenance of equipment. Periodic cleaning of dust collection and ventilation equipment and checks of their effectiveness shall be carried out to maintain the effectiveness of the system and a notation kept of the last check of effectiveness and cleaning or maintenance.

(12) **Reserved.**

(13) **Hygiene facilities and practices.**

(a) Change rooms. The employer shall provide for employees working in regulated areas or subject to the possibility of skin or eye irritation from inorganic arsenic, clean change rooms equipped with storage facilities for street clothes and separate storage facilities for protective clothing and equipment in accordance with WAC 296-24-12011.

(b) Showers.

(i) The employer shall assure that employees working in regulated areas or subject to the possibility of skin or eye irritation from inorganic arsenic shower at the end of the work shift.

(ii) The employer shall provide shower facilities in accordance with WAC 296-24-12009(3).

(c) Lunchrooms.

(i) The employer shall provide for employees working in regulated areas, lunchroom facilities which have a temperature controlled, positive pressure, filtered air supply, and which are readily accessible to employees working in regulated areas.

(ii) The employer shall assure that employees working in the regulated area or subject to the possibility of skin or eye irritation from exposure to inorganic arsenic wash their hands and face prior to eating.

(d) Lavatories. The employer shall provide lavatory facilities which comply with WAC 296-24-12009 (1) and (2).

(e) Vacuuming clothes. The employer shall provide facilities for employees working in areas where exposure, without regard to the use of respirators, exceeds 100 µg/m³ to vacuum their protective clothing and clean or change shoes worn in such areas before entering change rooms, lunchrooms or shower rooms required by subsection (10) of this section and shall assure that such employees use such facilities.

(f) Avoidance of skin irritation. The employer shall assure that no employee is exposed to skin or eye contact with arsenic trichloride, or to skin or eye contact with liquid or particulate inorganic arsenic which is likely to cause skin or eye irritation.

(14) **Medical surveillance.**

(a) **General.**

(i) Employees covered. The employer shall institute a medical surveillance program for the following employees:

(A) All employees who are or will be exposed above the action level, without regard to the use of respirators, at least thirty days per year; and

(B) All employees who have been exposed above the action level, without regard to respirator use, for thirty days or more per year for a total of ten years or more of combined employment with the employer or predecessor employers prior to or after the effective date of this standard. The determination of exposures prior to the effective date of this standard shall be based upon prior exposure records, comparison with the first measurements taken after the effective date of this standard, or comparison with records of exposures in areas with similar processes, extent of engineering controls utilized and materials used by that employer.

(ii) Examination by physician. The employer shall assure that all medical examinations and procedures are performed by or under the supervision of a licensed physician, and shall be provided without cost to the employee, without loss of pay and at a reasonable time and place.

(b) Initial examinations. By December 1, 1978, for employees initially covered by the medical provisions of this section, or thereafter at the time of initial assignment to an area where the employee is likely to be exposed over the action level at least thirty days per year, the employer shall provide each affected employee an opportunity for a medical examination, including at least the following elements:

(i) A work history and a medical history which shall include a smoking history and the presence and degree of respiratory symptoms such as breathlessness, cough, sputum production and wheezing.

(ii) A medical examination which shall include at least the following:

(A) A 14" by 17" posterior-anterior chest x-ray and International Labor Office UICC/Cincinnati (ILO U/C) rating;

(B) A nasal and skin examination; and

(C) ~~((A sputum cytology examination; and~~

~~((D)))~~ Other examinations which the physician believes appropriate because of the employees exposure to inorganic arsenic or because of required respirator use.

(c) **Periodic examinations.**

(i) The employer shall provide the examinations specified in subsections (14)(b)(i) and (14)(b)(ii)(A), (B) and ~~((D)))~~ (C) of this section at least annually for covered employees who are under forty-five years of age with fewer than ten years of exposure over the action level without regard to respirator use.

(ii) The employer shall provide the examinations specified in subsections (14)(b)(i) and (ii)(B) and (C) of this section at least semi-annually for other covered employees.

(iii) Whenever a covered employee has not taken the examinations specified in subsection (14)(b)(i) and (ii)(B) and (C) of this section within six months preceding the termination of employment, the employer shall provide such examinations to the employee upon termination of employment.

(d) Additional examinations. If the employee for any reason develops signs or symptoms commonly associated

with exposure to inorganic arsenic the employer shall provide an appropriate examination and emergency medical treatment.

(e) Information provided to the physician. The employer shall provide the following information to the examining physician:

- (i) A copy of this standard and its appendices;
- (ii) A description of the affected employee's duties as they relate to the employee's exposure;
- (iii) The employee's representative exposure level or anticipated exposure level;
- (iv) A description of any personal protective equipment used or to be used; and
- (v) Information from previous medical examinations of the affected employee which is not readily available to the examining physician.

(f) Physician's written opinion.

(i) The employer shall obtain a written opinion from the examining physician which shall include:

(A) The results of the medical examination and tests performed;

(B) The physician's opinion as to whether the employee has any detected medical conditions which would place the employee at increased risk of material impairment of the employee's health from exposure to inorganic arsenic;

(C) Any recommended limitations upon the employee's exposure to inorganic arsenic or upon the use of protective clothing or equipment such as respirators; and

(D) A statement that the employee has been informed by the physician of the results of the medical examination and any medical conditions which require further examination or treatment.

(ii) The employer shall instruct the physician not to reveal in the written opinion specific findings or diagnoses unrelated to occupational exposure.

(iii) The employer shall provide a copy of the written opinion to the affected employee.

(15) Employee information and training.

(a) Training program.

(i) The employer shall institute a training program for all employees who are subject to exposure to inorganic arsenic above the action level without regard to respirator use, or for whom there is the possibility of skin or eye irritation from inorganic arsenic. The employer shall assure that those employees participate in the training program.

(ii) The training program shall be provided by October 1, 1978 for employees covered by this provision, at the time of initial assignment for those subsequently covered by this provision, and shall be repeated at least quarterly for employees who have optional use of respirators and at least annually for other covered employees thereafter, and the employer shall assure that each employee is informed of the following:

(A) The information contained in Appendix A;

(B) The quantity, location, manner of use, storage, sources of exposure, and the specific nature of operations which could result in exposure to inorganic arsenic as well as any necessary protective steps;

(C) The purpose, proper use, and limitation of respirators;

(D) The purpose and a description of medical surveillance program as required by subsection (14) of this section;

(E) The engineering controls and work practices associated with the employee's job assignment; and

(F) A review of this standard.

(b) Access to training materials.

(i) The employer shall make readily available to all affected employees a copy of this standard and its appendices.

(ii) The employer shall provide, upon request, all materials relating to the employee information and training program to the director.

(16) Signs and labels.

(a) General.

(i) The employer may use labels or signs required by other statutes, regulations, or ordinances in addition to, or in combination with, signs and labels required by this subsection.

(ii) The employer shall assure that no statement appears on or near any sign or label required by this subsection which contradicts or detracts from the meaning of the required sign or label.

(b) Signs.

(i) The employer shall post signs demarcating regulated areas bearing the legend:

DANGER

INORGANIC ARSENIC

CANCER HAZARD

AUTHORIZED PERSONNEL ONLY

NO SMOKING OR EATING

RESPIRATOR REQUIRED

(ii) The employer shall assure that signs required by this subsection are illuminated and cleaned as necessary so that the legend is readily visible.

(c) Labels. The employer shall apply precautionary labels to all shipping and storage containers of inorganic arsenic, and to all products containing inorganic arsenic except when the inorganic arsenic in the product is bound in such a manner so as to make unlikely the possibility of airborne exposure to inorganic arsenic. (Possible examples of products not requiring labels are semiconductors, light emitting diodes and glass.) The label shall bear the following legend:

DANGER

CONTAINS INORGANIC ARSENIC

CANCER HAZARD

HARMFUL IF INHALED OR
SWALLOWED

USE ONLY WITH ADEQUATE
VENTILATION

OR RESPIRATORY PROTECTION

(17) Recordkeeping.

(a) Exposure monitoring.

(i) The employer shall establish and maintain an accurate record of all monitoring required by subsection (5) of this section.

(ii) This record shall include:

(A) The date(s), number, duration location, and results of each of the samples taken, including a description of the sampling procedure used to determine representative employee exposure where applicable;

(B) A description of the sampling and analytical methods used and evidence of their accuracy;

(C) The type of respiratory protective devices worn, if any;

(D) Name, Social Security number, and job classification of the employees monitored and of all other employees whose exposure the measurement is intended to represent; and

(E) The environmental variables that could affect the measurement of the employee's exposure.

(iii) The employer shall maintain these monitoring records for at least forty years or for the duration of employment plus twenty years, whichever is longer.

(b) Medical surveillance.

(i) The employer shall establish and maintain an accurate record for each employee subject to medical surveillance as required by subsection (14) of this section.

(ii) This record shall include:

(A) The name, Social Security number, and description of duties of the employee;

(B) A copy of the physician's written opinions;

(C) Results of any exposure monitoring done for that employee and the representative exposure levels supplied to the physician; and

(D) Any employee medical complaints related to exposure to inorganic arsenic.

(iii) The employer shall in addition keep, or assure that the examining physician keeps, the following medical records:

(A) A copy of the medical examination results including medical and work history required under subsection (14) of this section;

(B) A description of the laboratory procedures and a copy of any standards or guidelines used to interpret the test results or references to that information;

(C) The initial x-ray;

(D) The x-rays for the most recent five years;

(E) Any x-rays with a demonstrated abnormality and all subsequent x-rays; and

(F) ~~(The initial cytologic examination slide and written description;~~

~~(G) The cytologic examination slide and written description for the most recent five years; and~~

~~(H)) Any cytologic examination slides with demonstrated atypia, if such atypia persists for three years, and all subsequent slides and written descriptions.~~

(iv) The employer shall maintain or assure that the physician maintains those medical records for at least forty years, or for the duration of employment, plus twenty years, whichever is longer.

(c) Availability.

(i) The employer shall make available upon request all records required to be maintained by subsection (17) of this section to the director for examination and copying.

(ii) Records required by this subsection shall be provided upon request to employees, designated representatives, and the assistant director in accordance with WAC 296-62-

05201 through 296-62-05209 and 296-62-05213 through 296-62-05217.

(iii) The employer shall make available upon request an employee's medical records and exposure records representative of that employee's exposure required to be maintained by subsection (17) of this section to the affected employee or former employee or to a physician designated by the affected employee or former employee.

(d) Transfer of records.

(i) Whenever the employer ceases to do business, the successor employer shall receive and retain all records required to be maintained by this section.

(ii) Whenever the employer ceases to do business and there is no successor employer to receive and retain the records required to be maintained by this section for the prescribed period, these records shall be transmitted to the director.

(iii) At the expiration of the retention period for the records required to be maintained by this section, the employer shall notify the director at least three months prior to the disposal of such records and shall transmit those records to the director if he requests them within that period.

(iv) The employer shall also comply with any additional requirements involving transfer of records set forth in WAC 296-62-05215.

(18) Observation of monitoring.

(a) Employee observation. The employer shall provide affected employees or their designated representatives an opportunity to observe any monitoring of employee exposure to inorganic arsenic conducted pursuant to subsection (5) of this section.

(b) Observation procedures.

(i) Whenever observation of the monitoring of employee exposure to inorganic arsenic requires entry into an area where the use of respirators, protective clothing, or equipment is required, the employer shall provide the observer with and assure the use of such respirators, clothing, and such equipment, and shall require the observer to comply with all other applicable safety and health procedures.

(ii) Without interfering with the monitoring, observers shall be entitled to;

(A) Receive an explanation of the measurement procedures;

(B) Observe all steps related to the monitoring of inorganic arsenic performed at the place of exposure; and

(C) Record the results obtained or receive copies of the results when returned by the laboratory.

(19) Effective date. This standard shall become effective thirty days after filing with the code reviser.

(20) Appendices. The information contained in the appendices to this section is not intended by itself, to create any additional obligations not otherwise imposed by this standard nor detract from any existing obligation.

(21) Startup dates.

(a) General. The startup dates of requirements of this standard shall be the effective date of this standard unless another startup date is provided for, either in other subsections of this section or in this subsection.

(b) Monitoring. Initial monitoring shall be commenced by August 1, 1978, and shall be completed by September 15, 1978.

(c) Regulated areas. Regulated areas required to be established as a result of initial monitoring shall be set up as soon as possible after the results of that monitoring is known and no later than October 1, 1978.

(d) Compliance program. The written program required by subsection (7)(b) as a result of initial monitoring shall be made available for inspection and copying as soon as possible and no later than December 1, 1978.

(e) Hygiene and lunchroom facilities. Construction plans for change-rooms, showers, lavatories, and lunchroom facilities shall be completed no later than December 1, 1978, and these facilities shall be constructed and in use no later than July 1, 1979. However, if as part of the compliance plan it is predicted by an independent engineering firm that engineering controls and work practices will reduce exposures below the permissible exposure limit by December 31, 1979, for affected employees, then such facilities need not be completed until one year after the engineering controls are completed or December 31, 1980, whichever is earlier, if such controls have not in fact succeeded in reducing exposure to below the permissible exposure limit.

(f) Summary of startup dates set forth elsewhere in this standard.

STARTUP DATES

August 1, 1978 - Respirator use over $500 \mu\text{g}/\text{m}^3$.

AS SOON AS POSSIBLE BUT NO LATER THAN

September 15, 1978 - Completion of initial monitoring.

October 1, 1978 - Complete establishment of regulated areas.

Respirator use for employees exposed above $50 \mu\text{g}/\text{m}^3$.

Completion of initial training. Notification of use.

December 1, 1978 - Respirator use over $10 \mu\text{g}/\text{m}^3$. Completion of initial medical. Completion of compliance plan.

Optional use of powered air-purifying respirators.

July 1, 1979 - Completion of lunch rooms and hygiene facilities.

December 31, 1979 - Completion of engineering controls.

All other requirements of the standard have as their startup date August 1, 1978.

AMENDATORY SECTION (Amending Order 90-14, filed 10/1/90, effective 11/15/90)

WAC 296-62-07354 Appendices—Inorganic arsenic. The information in Appendices A, B, and C is not intended, by itself, to create any additional obligations not otherwise imposed by WAC 296-62-07347 nor detract from existing obligation.

(1) Appendix A—Inorganic arsenic substance information sheet.

(a) Substance identification.

(i) Substance. Inorganic arsenic.

(ii) Definition. Copper acetoarsenite, arsenic and all inorganic compounds containing arsenic except arsine, measured as arsenic (As).

(iii) Permissible exposure limit. Ten micrograms per cubic meter of air as determined as an average over an 8 hour period. No employee may be exposed to any skin or eye contact with arsenic trichloride or to skin or eye contact likely to cause skin or eye irritation.

(iv) Regulated areas. Only employees authorized by your employer should enter a regulated area.

(b) Health hazard data.

(i) Comments. The health hazard of inorganic arsenic is high.

(ii) Ways in which the chemical affects your body. Exposure to airborne concentrations of inorganic arsenic may cause lung cancer, and can be a skin irritant. Inorganic arsenic may also affect your body if swallowed. One compound in particular, arsenic trichloride, is especially dangerous because it can be absorbed readily through the skin. Because inorganic arsenic is a poison, you should wash your hands thoroughly prior to eating or smoking.

(c) Personal protective equipment and clothing.

(i) Respirators. Respirators will be provided by the employer at no cost to employees for routine use if the employer is in the process of implementing engineering and work practice controls or where engineering and work practice controls are not feasible or insufficient. Respirators must be worn for nonroutine activities or in emergency situations where there is likely to be exposure to levels of inorganic arsenic in excess of the permissible exposure limit. Since how well the respirator fits is very important, the employer is required to conduct fit tests to make sure the respirator seals properly when worn. These tests are simple and rapid and will be explained during training sessions.

(ii) Protective clothing. If work is in a regulated area, the employer is required to provide at no cost to employees, and it must be worn, appropriate, clean, protective clothing and equipment. The purpose of this equipment is to prevent the employee from taking home arsenic-contaminated dust and to protect the body from repeated skin contact with inorganic arsenic likely to cause skin irritation. This clothing shall include such items as coveralls or similar full-body clothing, gloves, shoes or coverlets, and aprons. Protective equipment should include face shields or vented goggles, where eye irritation may occur.

(d) Hygiene facilities and practices.

(i) The employer shall ensure that employees do not eat, drink, smoke, chew gum or tobacco, or apply cosmetics in the regulated area, except that drinking water is permitted. If work is in a regulated area, the employer is required to provide lunchrooms or other areas for these purposes.

(ii) If work is in a regulated area, the employer is required to provide showers, washing facilities, and change rooms. The employer shall ensure that employees wash faces and hands before eating and shower at the end of the work shift. Do not take used protective clothing out of change rooms without the employer's permission. The employer is required to provide for laundering or cleaning of the protective clothing.

(e) Signs and labels. The employer is required to post warning signs and labels for employee protection. Signs must be posted in regulated areas. The signs must warn that a cancer hazard is present, that only authorized employees may enter the area, and that no smoking or eating is allowed, and that respirators must be worn.

(f) Medical examinations. If exposure to arsenic is over the action level ($5 \mu\text{g}/\text{m}^3$) (including all persons working in regulated areas) at least 30 days per year, or employees have been exposed to arsenic for more than 10 years over the action level, the employer is required to provide employees

with a medical examination. The examination shall be every 6 months for employees over 45 years old or with more than 10 years exposure over the action level and annually for other covered employees. The medical examination must include a medical history; a chest x-ray (annual requirement only); skin examination; and nasal examination (~~and sputum cytology exam for the early detection of lung cancer. The cytology exams are only included in the initial exam and examinations given after employees are either 45 years or older or have 10 or more years employment over the action level~~). The examining physician will provide a written opinion to the employer containing the results of the medical exams. Employees should also receive a copy of this opinion. The physician must not tell the employer any conditions he detects unrelated to occupational exposure to arsenic but must tell employees those conditions.

(g) Observation of monitoring. The employer is required to monitor employee exposure to arsenic and employees or their representatives are entitled to observe the monitoring procedure. Employees are entitled to receive an explanation of the measurement procedure, and to record the results obtained. When the monitoring procedure is taking place in an area where respirators or personal protective clothing and equipment are required to be worn, employees must also be provided with and must wear the protective clothing and equipment.

(h) Access to records. Employees or their representatives are entitled to records of employee exposure to inorganic arsenic upon request to the employer. Employee medical examination records can be furnished to employees' physician if employees request the employer to provide them.

(i) Training and notification. Additional information on all of these items plus training as to hazards of exposure to inorganic arsenic and the engineering and work practice controls associated with employees' jobs will also be provided by the employer. If employees are exposed over the permissible exposure limit, the employer must inform employees of that fact and the actions to be taken to reduce employee exposure.

(2) Appendix B—Substance technical guidelines. Arsenic, arsenic trioxide, arsenic trichloride (3 examples)

(a) Physical and chemical properties

(i) Arsenic (metal)

(A) Formula: As

(B) Appearance: Gray metal

(C) Melting point: Sublimes without melting at 613C

(D) Specific gravity: (H₂O=1):5.73.

(E) Solubility in water: Insoluble

(ii) Arsenic trioxide

(A) Formula: As₂O₃, (As₄O₆).

(B) Appearance: White powder

(C) Melting point: 315C

(D) Specific gravity: (H₂O=1):3.74

(E) Solubility in water: 3.7 grams in 100cc of water at

20C

(iii) Arsenic trichloride (liquid)(Trichloride)

(A) Formula: AsCl₃

(B) Appearance: Colorless or pale yellow liquid

(C) Melting point: -8.5C

(D) Boiling point: 130.2C

(E) Specific gravity (1120=1)2:16 at 20C

(F) Vapor Pressure: 10mm Hg at 23.5C.

(G) Solubility in water: Decomposes in water.

(b) Fire, explosion, and reactivity data.

(i) Fire: Arsenic trioxide and arsenic trichloride are nonflammable.

(ii) Reactivity:

(A) Conditions contributing to instability: Heat.

(B) Incompatibility: Hydrogen gas can react with inorganic arsenic to form the highly toxic gas arsine.

(c) Monitoring and measurement procedures.

(i) Samples collected should be full shift (at least 7 hours) samples. Sampling should be done using a personal sampling pump at a flow rate of 2 liters per minute. Samples should be collected on 0.8 micrometer pore size membrane filter (37mm diameter). Volatile arsenicals such as arsenic trichloride can be most easily collected in a midge bubbler filled with 15 ml. of 0.1 N NaOH.

(ii) The method of sampling and analysis should have an accuracy of not less than ± 25 percent (with a confidence limit of 95 percent) for 10 micrograms per cubic meter of air (10 µg/m³) and ± 35 percent (with a confidence limit of 95 percent) for concentrations of inorganic arsenic between 5 and 10 µg/m³.

(3) Appendix C—Medical surveillance guidelines.

(a) General.

(i) Medical examinations are to be provided for all employees exposed to levels of inorganic arsenic above the action level (5 µg/m³) for at least 30 days per year (which would include among others, all employees, who work in regulated areas). Examinations are also to be provided to all employees who have had 10 years or more exposure above the action level for more than 30 days per year while working for the present or predecessor employer though they may no longer be exposed above the level.

(ii) An initial medical examination is to be provided to all such employees by December 1, 1978. In addition, an initial medical examination is to be provided to all employees who are first assigned to areas in which worker exposure will probably exceed 5 µg/m³ (after the effective date of this standard) at the time of initial assignment. In addition to its immediate diagnostic usefulness the initial examination will provide a baseline for comparing future test results. The initial examination must include as a minimum the following elements:

(A) A work and medical history, including a smoking history, and presence and degree of respiratory symptoms such as breathlessness, cough, sputum production, and wheezing;

(B) A 14-inch by 17-inch posterior-anterior chest x-ray and an International Labor Office UICC/Cincinnati (ILO U/C) rating;

(C) A nasal and skin examination; and

(D) ~~(A sputum cytology examination; and~~

~~(E))~~ Other examinations which the physician believes appropriate because of the employee's exposure to inorganic arsenic or because of required respirator use.

(iii) Periodic examinations are also to be provided to the employees listed above. The periodic examinations shall be given annually for those covered employees 45 years of age or less with fewer than 10 years employment in areas where employee exposure exceeds the action level (5 µg/m³). Periodic examinations need ~~(not)~~ to include ~~(sputum~~

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~~etymology and only an updated medical history is required))~~
an updated work history and medical history; chest x-ray;
nasal and skin examinations; and other examinations which
the physician believes appropriate.

(iv) Periodic examinations for other covered employees, shall be provided every 6 months. These examinations shall include ~~((all tests required in the initial examination, except that the))~~ an updated work history and medical history ((need only be updated)); nasal and skin examinations; and other examinations which the physician believes appropriate.

(v) The examination contents are minimum requirements. Additional tests such as lateral and oblique x-rays or pulmonary function tests may be useful. For workers exposed to 3 arsenicals, copper acetoarsenite, potassium arsenite, or sodium arsenite, which are associated with lymphatic cancer, the examination should also include palpation of superficial lymph nodes and complete blood count.

(b) Noncarcinogenic effects.

(i) The WISHA standard is based on minimizing risk of exposed workers dying of lung cancer from exposure to inorganic arsenic. It will also minimize skin cancer from such exposures.

(ii) The following three sections quoted from "Occupational Diseases: A Guide to Their Recognition," Revised Edition, June 1977, National Institute for Occupational Safety and Health is included to provide information on the nonneoplastic effects of exposure to inorganic arsenic. Such effects should not occur if the WISHA standards are followed.

(A) Local—Trivalent arsenic compounds are corrosive to the skin. Brief contact has no effect but prolonged contact results in a local hyperemia and later vesicular or pustular eruption. The moist mucous membranes are most sensitive to the irritant action. Conjunctiva, moist and macerated areas of skin, the eyelids, the angles of the ears, nose, mouth, and respiratory mucosa are also vulnerable to the irritant effects. The wrists are common sites of dermatitis, as are the genitalia if personal hygiene is poor. Perforations of the nasal septum may occur. Arsenic trioxide and pentoxide are capable of producing skin sensitization and contact dermatitis. Arsenic is also capable of producing keratoses, especially of the palms and soles.

(B) Systemic.

(I) The acute toxic effects of arsenic are generally seen following ingestion of inorganic arsenical compounds. This rarely occurs in an industrial setting. Symptoms develop within 1/2 to 4 hours following ingestion and are usually characterized by constriction of the throat followed by dysphagia, epigastric pain, vomiting, and watery diarrhea. Blood may appear in vomitus and stools. If the amount ingested is sufficiently high, shock may develop due to severe fluid loss, and death may ensue in 24 hours. If the acute effects are survived, exfoliative dermatitis and peripheral neuritis may develop.

(II) Cases of acute arsenical poisoning due to inhalation are exceedingly rare in industry. When it does occur, respiratory tract symptoms - cough, chest pain, dyspnea - giddiness, headache, and extreme general weakness precede gastrointestinal symptoms. The acute toxic symptoms of trivalent arsenical poisoning are due to severe inflammation

of the mucous membranes and greatly increased permeability of the blood capillaries.

(III) Chronic arsenical poisoning due to ingestion is rare and generally confined to patients taking prescribed medications. However, it can be a concomitant of inhaled inorganic arsenic from swallowed sputum and improper eating habits. Symptoms are weight loss, nausea and diarrhea alternating with constipation, pigmentation and eruption of the skin, loss of hair, and peripheral neuritis. Chronic hepatitis and cirrhosis have been described. Polyneuritis may be the salient feature, but more frequently there are numbness and parasthenias of "glove and stocking" distribution. The skin lesions are usually melanotic and keratotic and may occasionally take the form of an intradermal cancer of the squamous cell type, but without infiltrative properties. Horizontal white lines (striations) on the fingernails and toenails are commonly seen in chronic arsenical poisoning and are considered to be a diagnostic accompaniment of arsenical polyneuritis.

(IV) Inhalation of inorganic arsenic compounds is the most common cause of chronic poisoning in the industrial situation. This condition is divided into three phases based on signs and symptoms.

(V) First phase: The worker complains of weakness, loss of appetite, some nausea, occasional vomiting, a sense of heaviness in the stomach, and some diarrhea.

(VI) Second phase: The worker complains of conjunctivitis, a catarrhal state of the mucous membranes of the nose, larynx, and respiratory passage. Coryza, hoarseness, and mild tracheobronchitis may occur. Perforation of the nasal septum is common, and is probably the most typical lesion of the upper respiratory tract in occupational exposure to arsenical dust. Skin lesions, eczematoid and allergic in type, are common.

(VII) Third phase: The worker complains of symptoms of peripheral neuritis, initially of hands and feet, which is essentially sensory. In more severe cases, motor paralysis occur; the first muscles affected are usually the toe extensors and the peronei. In only the most severe cases will paralysis of flexor muscles of the feet or of the extensor muscles of hands occur.

(VIII) Liver damage from chronic arsenical poisoning is still debated, and as yet the question is unanswered. In cases of chronic and acute arsenical poisoning, toxic effects to the myocardium have been reported based on EKG changes. These findings, however, are now largely discounted and the EKG changes are ascribed to electrolyte disturbances concomitant with arsenicalism. Inhalation of arsenic trioxide and other inorganic arsenical dusts does not give rise to radiological evidence or pneumoconiosis. Arsenic does have a depressant effect upon the bone marrow, with disturbances of both erythropoiesis and myelopoiesis.

(4) Bibliography:

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Pinto, S. S., and C. M. McGill. 1953. Arsenic Trioxide Exposure in Industry. Ind. Med. Surg. 22:281.

Pinto, S. S., and K. W. Nelson. 1976. Arsenic Toxicology and Industrial Exposure, Annu. Rev. Paramacol. Toxicol. 16:95.

Vallee, B. L., Ulmer, D. D., and W. E. C. Wacker. 1960. Arsenic Toxicology and Biochemistry. AMA Arch. Indust. Health 21:132.

~~((5) Sputum cytology.~~

~~(a) Sputum can be collected by aerosol inhalation during the medical exam or by spontaneous early morning cough at home. Sputum is induced by transoral inhalation of an aerosolized solution of 8 percent sodium chloride in water. After inhaling as few as 3 to 5 breaths, the subject usually yields an adequate sputum. All sputum should be collected directly into 60 percent alcohol.~~

~~(b) Scientific evidence suggests that chest x rays and sputum cytology should be used together as screening tests for lung tests for lung cancer in high risk populations such as workers exposed to inorganic arsenic. The tests are to be performed every 6 months on workers who are 45 years of age or older or have worked in the regulated area for 10 or more years. Since the tests seem to be complementary, it may be advantageous to alternate the test procedures. For instance, chest x rays could be obtained in June and December and sputum cytologies could be obtained in March and September. Facilities for providing necessary diagnostic investigation should be readily available as well as chest physicians, surgeons, radiologists, pathologists, and immunotherapists to provide any necessary treatment services:))~~

AMENDATORY SECTION (Amending Order 77-14, filed 7/25/77)

WAC 296-62-20017 Medical surveillance. (1) General requirements.

(a) Each employer shall institute a medical surveillance program for all employees who are employed in the regulated areas at least 30 days per year.

(b) This program shall provide each employee covered under subsection (1)(a) of this section with an opportunity for medical examinations in accordance with this section.

(c) The employer shall inform any employee who refuses any required medical examination of the possible health consequences of such refusal and shall obtain a signed statement from the employee indicating that the employee understands the risk involved in the refusal to be examined.

(d) The employer shall assure that all medical examinations and procedures are performed by or under the supervision of a licensed physician, and are provided without cost to the employee.

(2) Initial examinations. At the time of initial assignment to a regulated area or upon the institution of the medical surveillance program, the employer shall provide a medical examination including at least the following elements:

(a) A work history and medical history which shall include smoking history and the presence and degree of respiratory symptoms, such as breathlessness, cough, sputum production, and wheezing;

(b) A 14" x 17" posterior-anterior chest x-ray and International Labour Office UICC/Cincinnati (ILO U/C) rating;

(c) Pulmonary function tests including forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1.0) with recording of type of equipment used;

(d) Weight;

(e) A skin examination;

(f) Urinalysis for sugar, albumin, and hematuria; and

(g) ~~((A sputum cytology examination; and~~

~~(h)))~~ A urinary cytology examination.

(3) Periodic examinations.

(a) The employer shall provide the examinations specified in subsections (2)(a)-(f) of this section at least annually for employees covered under subsection (1)(a) of this section.

(b) The employer shall provide the examinations specified in subsection (2)(a)~~((-h)))~~ and (c)-(g) of this section at least semi-annually for employees 45 years of age or older or with five or more years employment in the regulated area.

(c) Whenever an employee who is 45 years of age or older or with five or more years employment in the regulated area transfers or is transferred from employment in a regulated area, the employer shall continue to provide the examinations specified in subsections (2)(a)~~((-h)))~~ and (c)-(g) of this section semi-annually, as long as that employee is employed by the same employer or a successor employer.

(d) Whenever an employee has not taken the examination specified in subsections (3)(a)-(c) of this section within the six months preceding the termination of employment, the employer shall provide such examinations to the employee upon termination of employment.

(4) Information provided to the physician. The employer shall provide the following information to the examining physician:

(a) A copy of this regulation and its Appendices;

(b) A description of the affected employee's duties as they relate to the employee's exposure;

(c) The employee's exposure level or anticipated exposure level;

(d) A description of any personal protective equipment used or to be used; and

(e) Information from previous medical examinations of the affected employee which is not readily available to the examining physician.

(5) Physician's written opinion.

(a) The employer shall obtain a written opinion from the examining physician which shall include:

(i) The results of the medical examinations;

(ii) The physician's opinion as to whether the employee has any detected medical conditions which would place the employee at increased risk of material impairment of the employee's health from exposure to coke oven emissions;

(iii) Any recommended limitations upon the employee's exposure to coke oven emissions or upon the use of protective clothing or equipment such as respirators; and

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(iv) A statement that the employee has been informed by the physician of the results of the medical examination and any medical conditions which require further explanation or treatment.

(b) The employer shall instruct the physician not to reveal in the written opinion specific findings or diagnoses unrelated to occupational exposure.

(c) The employer shall provide a copy of the written opinion to the affected employee.

AMENDATORY SECTION (Amending Order 77-14, filed 7/25/77)

WAC 296-62-20027 Appendix A—Coke oven emissions substance information sheet.

APPENDIX A

**COKE OVEN EMISSIONS
SUBSTANCE INFORMATION SHEET**

I. SUBSTANCE IDENTIFICATION

- (1) Substance: Coke oven emissions
- (2) Definition: The benzene-soluble fraction of total particulate matter present during the destructive distillation or carbonization of coal for the production of coke.
- (3) Permissible exposure limit: 150 micrograms per cubic meter of air determined as an average over an 8-hour period.
- (4) Regulated areas: Only employees authorized by your employer should enter a regulated area. The employer is required to designate the following areas as regulated areas: the coke oven battery, including topside and its machinery, pushside and its machinery, and the screening station; and the wharf, the beehive ovens and machinery.

II. HEALTH HAZARD DATA

Exposure to coke oven emissions is a cause of lung cancer, and possibly kidney cancer, in humans. Although it does not have an excess number of skin cancer cases in humans, repeated skin contact with coke oven emissions should be avoided.

III. PROTECTIVE CLOTHING AND EQUIPMENT

- (1) Respirators: Respirators will be provided by your employer for routine use if your employer is in the process of implementing engineering and work practice controls or where engineering and work practice controls are not feasible or insufficient. You must wear respirators for nonroutine activities or in emergency situations where you are likely to be exposed to levels of coke oven emissions in excess of the permissible exposure limit. Until January 20, 1978, the routine wearing of respirators is voluntary. Until that date, if you choose not to wear a respirator you do not have to do so. You must still have your respirator with you and you must still wear it if you are near visible emissions. Since how well your respirator fits your face is very

important, your employer is required to conduct fit tests to make sure the respirator seals properly when you wear it. These tests are simple and rapid and will be explained to you during your training sessions.

- (2) Protective clothing: Your employer is required to provide, and you must wear, appropriate, clean, protective clothing and equipment to protect your body from repeated skin contact with coke oven emissions and from the heat generated during the coking process. This clothing should include such items as jacket and pants and flame resistant gloves. Protective equipment should include face shield or vented goggles, protective helmets and safety shoes, insulated from hot surfaces where appropriate.

IV. HYGIENE FACILITIES AND PRACTICES

You must not eat, drink, smoke, chew gum or tobacco, or apply cosmetics in the regulated area, except that drinking water is permitted. Your employer is required to provide lunchrooms and other areas for these purposes.

Your employer is required to provide showers, washing facilities, and change rooms. If you work in a regulated area, you must wash your face, and hands before eating. You must shower at the end of the work shift. Do not take used protective clothing out of the change rooms without your employer's permission. Your employer is required to provide for laundering or cleaning of your protective clothing.

V. SIGNS AND LABELS

Your employer is required to post warning signs and labels for your protection. Signs must be posted in regulated areas. The signs must warn that a cancer hazard is present, that only authorized employees may enter the area, and that no smoking or eating is allowed. In regulated areas where coke oven emissions are above the permissible exposure limit, the signs should also warn that respirators must be worn.

VI. MEDICAL EXAMINATIONS

If you work in a regulated area at least 30 days per year, your employer is required to provide you with a medical examination every year. The medical examination must include a medical history, a chest x-ray; pulmonary function test; weight comparison; skin examination; a urinalysis and a urine ((and sputum)) cytology exam for the early detection of urinary or lung cancer. ~~((The cytology exams are only included in the initial exam until you are either 45 years or older or have 5 or more years employment in the regulated areas when the medical exams including these tests are to be given every 6 months.))~~ When you are either 45 years or older or have 5 or more years employment in the regulated areas, medical examinations are required every 6 months and include an updated work history; an updated medical history; pulmonary function test; weight comparison; skin examination; a urinalysis; and a urine cytology exam. The examining physician will provide a written opinion to your employer containing the results of the medical exams. You should also receive a copy of this opinion.

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VII. OBSERVATION OF MONITORING

Your employer is required to monitor your exposure to coke oven emissions and you are entitled to observe the monitoring procedure. You are entitled to receive an explanation of the measurement procedure, observe the steps taken in the measurement procedure, and to record the results obtained. When the monitoring procedure is taking place in an area where respirators or personal protective clothing and equipment are required to be worn, you must also be provided with and must wear the protective clothing and equipment.

VIII. ACCESS TO RECORDS

You or your representative are entitled to records of your exposure to coke oven emissions upon request to your employer. Your medical examination records can be furnished to your physician upon request to your employer.

IX. TRAINING AND EDUCATION

Additional information on all of these items plus training as to hazards of coke oven emissions and the engineering and work practice controls associated with your job will also be provided by your employer.

AMENDATORY SECTION (Amending Order 77-14, filed 7/25/77)

WAC 296-62-20029 Appendix B—Industrial hygiene and medical surveillance guidelines.

APPENDIX B

INDUSTRIAL HYGIENE AND MEDICAL SURVEILLANCE GUIDELINES

I. INDUSTRIAL HYGIENE GUIDELINES

(1) Sampling. (Benzene-Soluble Fraction Total Particulate Matter.)

Samples collected should be full shift (8-hour) samples. Sampling should be done using a personal sampling pump with pulsation damper at a flow rate of 2 liters per minute. Samples should be collected on 0.8 micrometer pore size silver membrane filters (37 mm diameter) preceded by Gelman glass fiber type A filters encased in three-piece plastic (polystyrene) field monitor cassettes. The cassette face cap should be on and the plug removed. The rotameter should be checked every hour to ensure that proper flow rates are maintained.

A minimum of three full-shift samples should be collected for each job classification on each battery, at least one during and the night. If disparate results are obtained for particular job classification, sampling should be repeated. It is advisable to sample each shift on more than one day to account for environmental variables (wind, precipitation, etc.) which may affect sampling. Differences in exposures among different work shifts may indicate a need to improve work practices on a particular shift. Sampling results from

different shifts for each job classification should not be averaged. Multiple samples from same shift may be used to calculate an average exposure for a particular job classification.

(2) Analysis.

(a) All extraction glassware is cleaned with dichromic acid cleaning solution, rinsed with tap water, then dionized water, acetone, and allowed to dry completely. The glassware is rinsed with nanograde benzene before use. The Teflon cups are cleaned with benzene then with acetone.

(b) Pre-weigh the 2 ml Perkin-Elmer Teflon cups to one hundredth of a milligram on a Perkin-Elmer autobalance AD 2 Tare weight of the cups is about 50 mg.

(c) Place the silver membrane filter and glass fiber filter into a 15 ml test tube.

(d) Extract with 5 ml of benzene for five minutes in an ultrasonic cleaner.

(e) Filter the extract in 15 ml medium glass fritted funnels.

(f) Rinse test tube and filters with two 1.5 ml aliquots of benzene and filter through the fritted glass funnel.

(g) Collect the extract and two rinses in a 10 ml Kontes graduated evaporative concentrator.

(h) Evaporate down to a 1 ml while rinsing the sides with benzene.

(i) Pipet 0.5 ml into the Teflon cup and evaporate to dryness in a vacuum oven at 40° C for 3 hours.

(j) Weight the Teflon cup and the weight gain is due to the benzene soluble residue in half the sample.

II. MEDICAL SURVEILLANCE GUIDELINES

(1) General.

The minimum requirements for the medical examination for coke oven workers are given in WAC 296-62-20017.

The initial examination is to be provided to all coke oven workers at the time of the initial assignment to a job in the regulated area. The examination includes a 14" x 17" posterior-anterior chest x-ray and a ILO/UC rating to assure some standardization of x-ray reading, pulmonary function tests (FVC and FEV 1.0), weight, urinalysis, skin examination and a sputum and urinary cytologic examination. These tests are to serve as the baseline for comparing the employee's future test results. Periodic exams (~~include all the elements of the initial exams except that the cytologic tests~~) are to be performed semiannually only on those employees who are 45 years of age or older or who have worked for 5 or more years in the regulated area (~~periodic exams are to be performed semi-annually for this group instead of annually~~) and include an updated work history; an updated medical history; pulmonary function test; weight comparison; skin examination; a urinalysis; and a urine cytology exam. The examination contents are minimum requirements, additional tests such as lateral and oblique x-rays or additional pulmonary function tests may be performed if deemed necessary.

(2) Pulmonary function tests.

Pulmonary function tests should be performed in a manner which minimizes subject and operator bias. There has been shown to be learning effects with regard to the results obtained from certain tests, such as FEV 1.0. Best results can be obtained by multiple trials for each subject. The best of three trials or the average of the last three of five trials may be used in obtaining reliable results. The type of equipment used (manufacturer, model, etc.) should be recorded with the results as reliability and accuracy varies and such information may be important in the evaluation of test results. Care should be exercised to obtain the best possible testing equipment.

(((3) Sputum cytology.

~~Sputum can be collected by aerosol inhalation during the medical exam or by spontaneous early morning cough at home. Sputum is induced by transoral inhalation of an aerosolized solution of eight per cent sodium chloride in water. After inhaling as few as three to five breaths the subject usually yields an adequate sputum specimen. A minimum of three samples should be collected by the subject at home. All sputum should be collected directly into sixty percent alcohol.~~

~~Scientific evidence suggests that chest x-rays and sputum cytology should be used together as screening tests for lung cancer in high risk populations, such as coke oven workers. The tests are to be performed every six months on workers who are 45 years of age or older or have worked in the regulated area for 5 or more years. Since the tests seem to be complementary, it may be advantageous to alternate the test procedures. For instance, chest x-rays could be obtained in June and December and sputum cytologies could be obtained in March and September. Facilities for providing necessary diagnostic investigation should be readily available as well as chest physicians, surgeons, radiologists, pathologists, and immunotherapists to provide any necessary treatment services.)~~

WSR 98-02-037**PERMANENT RULES****RENTON TECHNICAL COLLEGE**

[Filed January 2, 1998, 11:20 a.m.]

Citation of Existing Rules Affected by this Order:
Repealing WAC 495E-104-010.

Adopted under preproposal statement of inquiry filed as WSR 97-19-067 on September 15, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Thirty-one days after filing.

December 29, 1997

Gary Koppang

Vice-President

for Human Resources

WSR 98-02-047**PERMANENT RULES****BUILDING CODE COUNCIL**

[Filed January 5, 1998, 3:50 p.m., effective July 1, 1998]

Date of Adoption: November 14, 1997.

Purpose: To adopt amendments to the Washington State Ventilation and Indoor Air Quality Code.

Citation of Existing Rules Affected by this Order:
Amending WAC 51-13-106, 51-13-402.3(b), and 51-13-502.1.2.

Statutory Authority for Adoption: RCW 19.27.190, 19.27.020.

Adopted under notice filed as WSR 97-16-112 on August 6, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 1, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 2, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 3, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: July 1, 1998.

January 2, 1998

Mike McEnaney

Council Chair

AMENDATORY SECTION (Amending WSR 95-01-128, filed 12/21/94, effective 6/30/95)

WAC 51-13-106 Conflicts with other codes.

106.1 Conflicts with Other Codes: In addition to the requirements of this Code, buildings must conform to the provisions of the State Building Code (Chapter 19.27 RCW and Chapters ~~((51-30, 51-32, 51-34 and 51-26))~~ 51-40, 51-42, 51-44 and 51-46 Washington Administrative Code). In case of conflicts between the Uniform Building, Uniform Plumbing, Uniform Mechanical, and Uniform Fire Codes as adopted and amended in Chapters ~~((51-30, 51-32, 51-34 and~~

51-26)) 51-40, 51-42, 51-44 and 51-46 Washington Administrative Code, the provisions of Chapter 51-13 shall govern. This Code is not intended to abridge any safety or health requirements under any other applicable codes or ordinances.

Where, in any specific case, different sections of this Code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

Wherever in this Code reference is made to the appendix, the provisions of the appendix shall not apply unless specifically adopted.

106.2 Authority: Local legislative authorities are authorized and directed to enforce this Code. Local legislative authorities are authorized to promulgate, adopt, and issue those rules and regulations necessary for the effective and efficient administration of this Code.

AMENDATORY SECTION (Amending WSR 95-01-128, filed 12/21/94, effective 6/30/95)

WAC 51-13-402 Solid fuel burning appliances and fireplaces.

402.1 General: Solid fuel burning appliances and fireplaces shall satisfy one of the following criteria.

402.2 Solid Fuel Burning Appliances: Solid fuel burning appliances shall be provided with the following:

a) Tight fitting metal or ceramic glass doors.

b) 1. A source from outside the structure of primary combustion air, connected to the appliance as per manufacturer's specification. The air inlet shall originate at a point below the fire box. The duct shall be 4 inches or greater in diameter, not exceed 20 feet in length, and be installed as per manufacturer's instructions;

or

2. The appliance and manufacturer's recommended combustion air supply, as an installed unit, shall be certified by an independent testing laboratory to have passed Test No. 11 - Negative Pressure Test, Section 12.3, of ULC S627-M1984 "Space Heaters for Use with Solid Fuels," modified as follows:

A) Negative pressure of 8 Pascal shall be initially established with the chamber sealed and the air supply, if not directly connected to the appliance, closed off.

B) The air supply, if not directly connected to the appliance, shall then be opened.

C) The maximum allowable air exchange rate from chamber leakage and intentional air supply for the unit (appliance with combustion air supply) in the test chamber is 3.5 air changes per hour, or 28 cfm (cubic feet of air per minute), whichever is less.

EXCEPTION: Combustion air may be supplied to the room in which the solid fuel burning appliance is located in lieu of direct ducting, provided that one of the following conditions is met:

1) The solid fuel burning appliance is part of a central heating plant and installed in an unconditioned space in conformance with the Uniform Mechanical Code; or

2) The solid fuel burning appliance is installed in existing construction directly on a concrete floor or surrounded by masonry materials as in a fireplace.

The combustion air terminus shall be located as close to the solid fuel burning appliance as possible and shall be provided with a barometric damper or equivalent. The combustion air source shall be specified by the manufacturer or no less than four (4) inches in diameter or the equivalent in area or as approved.

402.3 Fireplaces: Fireplaces shall be provided with each of the following:

a) Tightly fitting flue dampers, operated by a readily accessible manual or approved automatic control.

EXCEPTION: Fireplaces with gas logs shall be installed in accordance with the Uniform Mechanical Code section 901.

b) An outside source for combustion air ducted into the firebox. The duct shall be at least six (6) square inches, and shall be provided with an operable outside air duct damper.

EXCEPTION: Washington certified fireplaces shall be installed with the combustion air systems necessary for their safe and efficient combustion and specified by the manufacturer in accordance with the Washington state UBC Standard 31-2 (WAC 51-40-31200) and UBC section 3102.5.4 (WAC 51-40-3102).

c) Site built fireplaces shall have tight fitting glass or metal doors, or a flue draft induction fan, or as approved for minimizing back-drafting. Factory built fireplaces shall use doors listed for the installed appliance.

402.4 Masonry Heaters: Masonry heaters shall be approved by the department of ecology and shall contain both of the following:

a) Primary combustion air ducted from the outside of the structure to the appliance.

b) Tight fitting ceramic glass or metal doors. Flue damper, when provided, shall have an external control and when in the closed position shall have a net free area of not less than five percent of the flue cross sectional area.

AMENDATORY SECTION (Amending WSR 95-01-128, filed 12/21/94, effective 6/30/95)

WAC 51-13-502 State-wide radon requirements.

502.1 Crawlspace:

502.1.1 General: All crawlspaces shall comply with the requirements of this section.

502.1.2 Ventilation: All crawlspaces shall be ventilated as specified in section ((2317.7)) 2306.7 of the Washington State Uniform Building Code (chapter ((51-30)) 51-40 WAC).

If the installed ventilation in a crawlspace is less than one square foot for each three hundred square feet of crawlspace area, or if the crawlspace vents are equipped with operable louvers, a radon vent shall be installed to originate from a point between the ground cover and soil. The radon

vent shall be installed in accordance with sections 503.2.6 and 503.2.7.

502.1.3 Crawlspaces Plenum Systems: In crawlspaces plenum systems used for providing supply air for an HVAC system, aggregate, a permanently sealed soil gas retarder membrane and a radon vent pipe shall be installed in accordance with section 503.2. Crawlspaces shall not be used for return air plenums.

In addition, an operable radon vent fan shall be installed. The fan shall be located as specified in section 503.2.7. The fan shall be capable of providing at least one hundred cfm at one inch water column static pressure. The fan shall be controlled by a readily accessible manual switch. The switch shall be labeled "RADON VENT FAN."

WSR 98-02-048
PERMANENT RULES
BUILDING CODE COUNCIL

[Filed January 5, 1998, 3:52 p.m., effective July 1, 1998]

Date of Adoption: November 14, 1997.

Purpose: To update address and telephone information on the State Building Code Council.

Citation of Existing Rules Affected by this Order: Amending WAC 51-04-015 and 51-04-070.

Statutory Authority for Adoption: RCW 19.27.074.

Adopted under notice filed as WSR 97-16-093 on August 5, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 2, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 2, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: July 1, 1998.

January 2, 1998
Mike McEnaney
Council Chair

AMENDATORY SECTION (Amending WSR 94-05-058, filed 2/10/94, effective 3/13/94)

WAC 51-04-015 Definitions. (1) "Supplements and accumulative supplements" mean the publications between editions of the uniform codes and standards which include changes to the current edition of the uniform codes and standards.

(2) "Council" means the Washington state building code council.

(3) "Emergency state-wide amendment" means any proposed state-wide amendment, the adoption of which is necessary immediately in order to protect life, safety or health of building occupants; preserve the structural integrity of buildings built to the state building code; to correct errors and omissions; or by the direction of the Washington state legislature or federal legislation. Emergency state-wide amendments to the state building code must be adopted in accordance with the Administrative Procedure Act, chapter 34.05 RCW.

(4) "Local government amendment" means any amendment to the state building code, as adopted by cities or counties for implementation and enforcement in their respective jurisdictions.

(5) "Local government residential amendment" means any amendment to the state building code, as adopted by cities or counties for implementation and enforcement in their respective jurisdictions, that applies to single and multifamily buildings as defined by RCW 19.27.015.

(6) "State building code" means the Uniform Building Code and Standards; the Uniform Mechanical Code including (~~Appendix B, Chapter 22~~) Fuel Gas Piping; the Uniform Fire Code and Standards; the Uniform Plumbing Code and Standards (~~excluding Chapters 11 and 12~~); the state regulations for barrier-free facilities; the state energy code; and any other codes so designated by the Washington state legislature as adopted and amended by the council.

(7) "State-wide amendment" means any amendment to the building code, initiated through council action or by petition to the council from any agency, city or county, or interested individual or organization, that would have the effect of amending the building code for the entire state of Washington. State-wide amendments to the state building code must be adopted in accordance with the Administrative Procedure Act, chapter 34.05 RCW.

(8) "State building code update cycle" means that period during which the uniform code and standards referenced in chapter 19.27 RCW are updated and amended by the council in accordance with the Administrative Procedure Act, chapter 34.05 RCW hereinafter referred to as the "adoption period" and those additional periods when code changes are received for review as proposed amendments to the uniform codes, hereinafter referred to as "submission periods."

(9) "Uniform codes" means the Uniform Building, Mechanical, Plumbing, and Fire Codes as published by the International Conference of Building Officials, International Association of Plumbing and Mechanical Officials, and Western Fire Chiefs respectively.

AMENDATORY SECTION (Amending WSR 90-02-108, filed 1/3/90, effective 2/3/90)

WAC 51-04-070 Council mailing address. All requests for information, documentation, etc., should be submitted to:

Washington State Building Code Council
(~~Ninth and Columbia Building~~
~~Mailstop: GH-51~~)
906 Columbia St SW
Post Office Box 48300
Olympia, Washington 98504-((4154)) 8300
(360) ((753-2222)) 586-0486

WSR 98-02-049
PERMANENT RULES
BUILDING CODE COUNCIL

[Filed January 5, 1998, 3:55 p.m., effective July 1, 1998]

Date of Adoption: November 14, 1997.

Purpose: To amend address and telephone information on the State Building Code Council found in chapter 51-06 WAC, Public records.

Citation of Existing Rules Affected by this Order: Amending WAC 51-06-020 and 51-06-120.

Statutory Authority for Adoption: RCW 19.27.074.

Adopted under notice filed as WSR 97-16-094 on August 5, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 2, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 2, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: July 1, 1998.

January 2, 1998
 Mike McEnaney
 Council Chair

AMENDATORY SECTION (Amending WSR 90-02-108, filed 1/3/90, effective 2/3/90)

WAC 51-06-020 Public records available. All public records of the council as defined in WAC 51-06-030 are available for public inspection and copying at the Department of Community Development, (~~Ninth and Columbia Building~~) 906 Columbia St. SW, Olympia, Washington 98504, pursuant to these rules, except as otherwise provided by RCW 42.17.310.

AMENDATORY SECTION (Amending WSR 90-02-108, filed 1/3/90, effective 2/3/90)

WAC 51-06-120 Address for communications. All requests for information, documentation, etc., should be submitted to the:

Washington State Building Code Council
 (~~Ninth and Columbia Building~~
~~Mailstop: GH-51)~~
906 Columbia St SW
Post Office Box 48300
 Olympia, Washington 98504-~~((4151))~~ 8300
 (360) ~~((753-2222))~~ 586-0486

WSR 98-02-053
PERMANENT RULES
BUILDING CODE COUNCIL

[Filed January 6, 1998, 11:55 a.m., effective July 1, 1998]

Date of Adoption: November 14, 1997.

Purpose: To adopt chapters 51-44 and 51-45 WAC, the state adoption and amendment of the 1997 Uniform Fire Code and Standards; and to repeal chapters 51-34 and 51-35 WAC, state adoption and amendment of the 1994 Uniform Fire Code and Standards.

Citation of Existing Rules Affected by this Order: Repealing chapters 51-34 and 51-35 WAC.

Statutory Authority for Adoption: RCW 19.27.031 and 19.27.074.

Adopted under notice filed as WSR 97-16-113 on August 6, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 1, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 13, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 89.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 26, amended 0, repealed 89; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: July 1, 1998.

January 5, 1998
 Mike McEnaney
 Council Chair

Chapter 51-44 WAC
STATE BUILDING CODE ADOPTION AND
AMENDMENT
OF THE 1997 EDITION OF THE UNIFORM FIRE
CODE

NEW SECTION

WAC 51-44-001 Authority. These rules are adopted under the authority of chapter 19.27 RCW.

NEW SECTION

WAC 51-44-002 Purpose. The purpose of these rules is to implement the provisions of chapter 19.27 RCW, which provides that the State Building Code council shall maintain the State Building Code in a status which is consistent with the purpose as set forth in RCW 19.27.020. In maintaining the codes the council shall regularly review updated versions of the codes adopted under the act, and other pertinent information, and shall amend the codes as deemed appropriate by the council.

PERMANENT

NEW SECTION

WAC 51-44-003 Uniform Fire Code. The 1997 edition of the Uniform Fire Code, including Appendix II-F, Protected Aboveground Tanks For Motor Vehicle Fuel-Dispensing Stations Outside Buildings, and Appendix II-J, Storage of Flammable and Combustible Liquids in Tanks Located Within Below-Grade Vaults, published by the International Fire Code Institute is hereby adopted by reference with the following additions, deletions, and exceptions.

NEW SECTION

WAC 51-44-007 Exceptions. The exceptions and amendments to the Uniform Fire Code contained in the provisions of chapter 19.27 RCW shall apply in case of conflict with any of the provisions of these rules.

The provisions of this code do not apply to temporary growing structures used solely for the commercial production of horticultural plants including ornamental plants, flowers, vegetables, and fruits. "Temporary growing structure" means a structure that has the sides and roof covered with polyethylene, polyvinyl, or similar flexible synthetic material and is used to provide plants with either frost protection or increased heat retention. A temporary growing structure is not considered a building for purposes of this code.

NEW SECTION

WAC 51-44-008 Implementation. The Uniform Fire Code adopted by chapter 51-44 Washington Administrative Code (WAC) shall become effective in all counties and cities of this state on July 1, 1998.

NEW SECTION

WAC 51-44-0103 Section 103—Inspection and enforcement.

103.2.1.1 General. The chief is authorized to administer and enforce this code. (Exception: Medical Gas Systems, Section 7404.2.3) Under the chief's direction, the fire department is authorized to enforce all ordinances of the jurisdiction pertaining to:

1. The prevention of fires,
2. The suppression or extinguishment of dangerous or hazardous fires,
3. The storage, use and handling of hazardous materials,
4. The installation and maintenance of automatic, manual and other private fire alarm systems and fire-extinguishing equipment,
5. The maintenance and regulation of fire escapes,
6. The maintenance of fire protection and the elimination of fire hazards on land and in buildings, structures and other property, including those under construction,
7. The maintenance of means of egress, and
8. The investigation of the cause, origin and circumstances of fire and unauthorized releases of hazardous materials.

For authority related to control and investigation of emergency scenes, see Section 104.

NEW SECTION

WAC 51-44-0200 Article 2—Definitions and abbreviations.

SECTION 206 - E.

ELECTRICAL CODE is the National Electrical Code, promulgated by the National Fire Protection Association, as adopted in chapter 296-46 WAC, or the locally adopted Electrical Code.

SECTION 216 - O.**Group E Occupancies:**

Group E Occupancies shall be:

Division 1. Any building used for educational purposes through the 12th grade by 50 or more persons for more than 12 hours per week or four hours in any one day.

Division 2. Any building used for educational purposes through the 12th grade by less than 50 persons for more than 12 hours per week or four hours in any one day.

Division 3. Any building or portion thereof used for day-care purposes for more than six persons.

EXCEPTION: Family child day care homes as defined in chapter 51-40 WAC, Uniform Building Code, shall be considered Group R, Division 3 Occupancies.

Group LC Occupancies:

Group LC Occupancies shall be:

Group LC Occupancies shall include buildings, structures, or portions thereof, used for the business of providing licensed care to clients in one of the following categories regulated by either the Washington Department of Health or the Department of Social and Health Services:

1. Adult family home.
2. Adult residential rehabilitation facility.
3. Alcoholism intensive inpatient treatment service.
4. Alcoholism detoxification service.
5. Alcoholism long term treatment service.
6. Alcoholism recovery house service.
7. Boarding home.
8. Group care facility.
9. Group care facility for severely and multiple handicapped children.
10. Residential treatment facility for psychiatrically impaired children and youth.

EXCEPTION: Where the care provided at an alcoholism detoxification service is acute care similar to that provided in a hospital, the facility shall be classified as a Group I, Division 1.1 hospital.

Group R Occupancies:

Group R Occupancies shall be:

Division 1. Hotels and apartment houses. Congregate residences (each accommodating more than 10 persons).

Division 2. Not used.

Division 3. Dwellings, family child day care homes as defined in chapter 51-40 WAC, Uniform Building Code, and lodging houses. Congregate residences (each accommodating 10 persons or less).

OPEN BURNING is the burning of a bonfire, rubbish fire or other fire in an outdoor location where fuel being burned is not contained in an incinerator, outdoor fireplace, barbecue grill or barbecue pit. See chapter 173-425 WAC.

SECTION 219 - R.

RECREATIONAL FIRE is the burning of materials other than rubbish where fuel being burned is not contained in an incinerator, outdoor fireplace, barbecue grill or barbecue pit and with a total fuel area of 3 feet (914 mm) or less in diameter and 2 feet (610 mm) or less in height for pleasure, religious, ceremonial, cooking or similar purposes. See chapter 173-425 WAC.

NEW SECTION

WAC 51-44-0900 Article 9—Fire department access and water supply.

901.2.2.1 Fire apparatus access, is not adopted.

901.4.2 Fire apparatus access roads, is not adopted.

902.1 General. Fire apparatus access roads shall be provided and maintained in accordance with locally adopted street, road, and access standards.

902.2 through 902.2.4.1, are not adopted.

NEW SECTION

WAC 51-44-1003 Section 1003—Fire-extinguishing systems.

1003.2.4.1 General. An automatic fire-extinguishing system shall be installed in all newly constructed buildings classified as Group E, Division 1 Occupancy. A minimum water supply meeting the requirements of UBC Standard 9-1 shall be required. The Chief may reduce fire flow requirements for buildings protected by an approved automatic sprinkler system.

For the purpose of this section, additions exceeding 60 percent of the value of such building or structure, or alterations and repairs to any portion of a building or structure within a twelve month period that exceeds 100 percent of the value of such building or structure shall be considered new construction. In the case of additions, area separation walls shall define separate buildings.

EXCEPTION: Portable school classrooms, provided:

1. Aggregate area of clusters of portable school classrooms does not exceed 5,000 square feet (465 m²); and
2. Clusters of portable school classrooms separated as required in Chapter 5 of the Building Code.

When not required by other provisions of this chapter, a fire-extinguishing system installed in accordance with UBC Standard 9-1 may be used for increases and substitutions allowed in Sections 505, 506, and 508 of the building code.

NEW SECTION

WAC 51-44-1007 Section 1007—Fire alarm systems.

1007.1.3 Where new construction or modification is to be in compliance with adopted chapter 51-40 WAC, Chapter 11, alarm modifications shall be designed to be compatible with the requirements of UFC Article 10.

1007.2.12.10 Accessible buildings.

1007.2.12.10.1 General. Alarm systems in buildings which are required to have accessible building facilities shall include both audible and visible alarms. All devices shall be listed or approved. The alarm devices shall be located in all accessible sleeping accommodations and common use areas, including toilet rooms and bathing facilities, hallways, and lobbies.

EXCEPTIONS:

1. Alarm systems in Group I, Division 1.1 and 1.2 Occupancies may be modified to suit standard health care design practice.
2. Visible alarms are not required in Group R, Division 1 apartment buildings.

1007.2.12.10.2 Alarms.

1007.2.12.10.2.1 Audible alarms. Audible alarms shall produce a sound in accordance with UFC Standard 10-2. Audible alarms shall exceed the prevailing equivalent sound level in the room or space by at least 15 decibels, or shall exceed any maximum sound level with a duration of 30 seconds by 5 decibels, whichever is louder. Sound levels for alarm signals shall not exceed 120 decibels.

1007.2.12.10.2.2 Visible alarms. Visible alarm signal appliances shall be integrated into the building or facility alarm system. All devices shall be listed or approved. Where single-station audible alarms are provided, single-station visible alarm signals shall be provided.

EXCEPTION: Visible alarms are not required in Group R, Division 1 apartment buildings.

Visible alarms shall be located per nationally recognized standards. NFPA 72, 1993 edition, and ANSI 117.1, 1992, shall be considered equivalent facilitation.

1007.2.12.10.2.3 Access to manual fire alarm systems. Manual fire alarm devices shall be mounted at least 36 inches (914.4 mm) and not more than 54 inches (1371.6 mm) above the floor where a parallel approach is provided. Where a parallel approach cannot be provided the height shall not exceed 48 inches (1219.2 mm).

1007.3.3.3.4 Visual alarms. Alarm systems shall include both audible and visual alarms. Alarm devices shall be located in hotel guest rooms as required by the building code (see UBC Washington State Amendments, Section 1105.4.9); accessible public- and common-use areas, including toilet rooms and bathing facilities; hallways; and lobbies. (See UBC Washington State Amendments, Section 1106.15.2, for additional information about visual signals.)

NEW SECTION

WAC 51-44-10210 Appendix II-J—Storage of flammable and combustible liquids in tanks located within below-grade vaults.

5.4 Arrangement. Each vault may contain a maximum of three tanks. Compartmentalized tanks are allowed and shall be considered as a single tank.

NEW SECTION

WAC 51-44-1109 Section 1109—Control of sources of ignition.

1109.8.3 Religious ceremonies. Participants in religious ceremonies shall not be precluded from carrying hand-held candles.

NEW SECTION

WAC 51-44-2500 Article 25—Places of assembly.

2501.9.3 Width with Fixed Seats. Aisles in assembly occupancies with fixed seats shall comply with Section 2501.9.3. The clear width of aisles shall be based on the number of occupants within the portion of the seating areas served by the aisle.

The clear width of an aisle in inches shall not be less than the occupant load served by the aisle multiplied by 0.3 for aisles with slopes greater than 1 unit vertical to 8 units horizontal (12.5% slope) and not less than 0.2 for aisles with a slope of 1 unit vertical to 8 units horizontal (12.5% slope) or less. In addition, when the rise of steps in aisles exceeds 7 inches (178 mm), the aisle clear width shall be increased by 1¼ inches (32 mm) for each 100 occupants or fraction thereof served for each ¼ inch (6.35 mm) of riser height above 7 inches (178 mm).

EXCEPTION: For buildings with smoke-protected assembly seating and for which an approved life-safety evaluation is conducted, the minimum clear width of aisles and other means of egress may be in accordance with Table 2501-B. For Table 2501-B, the number of seats specified must be within a single assembly area, and interpolation shall be permitted between the specified values shown. If Table 2501-B is used the minimum clear widths shown shall be modified in accordance with the following:

1. **Factor A:** If risers exceed 7 inches (178 mm) in height, multiply the stair width in the tables by factor A, where:

$$A = 1 + \frac{(\text{riser height} - 7.0 \text{ inches})}{5}$$

For SI:

$$A = 1 + \frac{(\text{riser height} - 178 \text{ mm})}{127}$$

2. **Factor B:** Stairs not having a handrail within a 30-inch (760 mm) horizontal distance shall be 25 percent wider than otherwise calculated. Multiply by factor B, where B = 1.25.

3. **Factor C:** Ramps steeper than 1 unit vertical in 10 units horizontal (10% slope) where used in ascent shall be 10 percent wider than otherwise calculated. Multiply by factor C, where C = 1.10.

Where egress is possible in two directions, the width of such aisles shall be uniform throughout their length.

When aisles converge to form a single path of exit travel, the aisle width shall not be less than the combined required width of the converging aisles.

In assembly rooms with fixed seats arranged in rows, the clear width of aisles shall not be less than set forth above and not less than the following:

Forty-eight inches (1219 mm) for stairs having seating on both sides.

Thirty-six inches (914 mm) for stairs having seating on one side.

Twenty-three inches (584 mm) between a stair handrail and seating when the aisles are subdivided by the handrail.

Forty-two inches (1067 mm) for level or ramped aisles having seating on both sides.

Thirty-six inches (914 mm) for level or ramped aisles having seating on one side.

Twenty-three inches (584 mm) between a stair handrail and seating when an aisle does not serve more than five rows on one side.

2501.9.5 Ramp slope. The slope of ramped aisles shall not be more than 1 unit vertical in 8 units horizontal (12.5 percent slope). Ramped aisles shall have a slip-resistant surface.

EXCEPTION: When provided with fixed seating, theaters may have a slope not steeper than 1 unit vertical to 5 units horizontal (20 percent slope).

2501.9.6.2 When required. Aisles with a slope steeper than 1 unit vertical to 8 units horizontal (12.5 percent slope) shall consist of a series of risers and treads extending across the entire width of the aisle, except as provided in subsection 2501.9.5.

The height of risers shall not be more than 7 inches (178 mm) or less than 4 inches (102 mm) and the tread run shall not be less than 11 inches (279 mm). The riser height shall be uniform within each flight and the tread run shall be uniform throughout the aisle. Variations in run or height between adjacent treads or risers shall not exceed 3/16 inch (4.8 mm). A contrasting marking stripe or other approved marking shall be provided on each tread at the nosing or leading edge such that the location of each tread is readily apparent when viewed in descent. Such stripe shall be a minimum of 1 inch (25.4 mm) wide and a maximum of 2 inches (51 mm) wide.

EXCEPTION: When the slope of aisle steps and the adjoining seating area is the same, the riser heights may be increased to a maximum of 9 inches (229 mm) and may be nonuniform but only to the extent necessitated by changes in the slope of the adjoining seating area to maintain adequate sightlines. Variations may exceed 3/16 inch (4.8 mm) between adjacent risers provided the exact location of such variations is identified with a marking stripe on each tread at the nosing or leading edge adjacent to the nonuniform riser. The marking stripe shall be distinctively different from the contrasting marking stripe.

2501.17 Candles and other open-flame devices. Candles and other open-flame devices shall not be used in places of assembly or in drinking or dining establishments.

PERMANENT

- EXCEPTIONS:**
1. When used in conjunction with approved heating or cooking appliances in areas not accessible to the public.
 2. When used in conformance with Section 1109.8.
 3. When used in conformance with Section 8203.2.1.8.
 4. Hand-held candles carried by participants in religious ceremonies. (See RCW 19.27.031(3).)

NEW SECTION

WAC 51-44-5200 Article 52—Motor vehicle fuel-dispensing stations.

5201.1 Scope. Automotive, marine and aircraft motor vehicle fuel-dispensing stations shall be in accordance with Article 52 and UFC Standard 52-1. Such operations shall include both public accessible and private operations. Flammable and combustible liquids and LP-gas shall also be in accordance with Articles 79 and 82.

EXCEPTION: Class II or III liquids may be transferred from tank vehicles into fuel tanks of motor vehicles when approved by the chief, and under the following conditions:

1. Only diesel fuel will be allowed and each premises shall require a separate permit issued in accordance with Section 105.
2. Tank vehicles shall meet the requirements of the U.S. Department of Transportation (DOT) and UFC Standard 79-4 and as approved by the chief.
3. The tank vehicle, while in service, shall not be left unattended. Tank vehicles with fuel in the cargo tank shall not be left unattended.
4. A fire extinguisher with a classification of 2A-20BC shall be readily available at the fueling site.
5. There shall be signs stating "NO SMOKING OR OPEN FLAME WITHIN 25 FEET (7620 mm)" readily visible at the fueling site.
6. There shall be adequate lighting for night time operations.
7. For other than marine motor vehicles, the fuel hose shall not exceed 50 feet (15 240 mm) in length.
8. Approved automatic closing nozzles without a latch open device shall be used.
9. Communication devices shall be available in accordance with Section 5201.6.3.
10. Tank vehicles shall have emergency shut off valves as approved by the chief.
11. Dispensing shall be done in accordance with Section 7903.3.3.
12. At least 20 feet (6096 mm) from any source of ignition.
13. The applicant shall comply with all applicable federal, state and local environmental laws and regulations as a condition of permit.
14. The private fueling area shall be located on an area graded in a manner to direct the spill away from buildings, storage and property lines.

NEW SECTION

WAC 51-44-6100 Article 61—Oil-burning equipment.

SECTION 6102 - GENERAL.

The design, construction and installation of oil-burning equipment shall be in accordance with the Mechanical Code. Oil-burning equipment shall be of an approved type. Tanks and piping serving oil-burning equipment which has been out of service for a period of one year shall be removed from

the ground or property or abandoned in place in accordance with Section 7902.1.7 of this code.

SECTION 6103 - PERMITS.

A permit is required to remove, abandon, place temporarily out of service or otherwise dispose of a combustible liquids tank. See Section 105.8, permit f.3. Such a permit may be issued without an inspection of the tank or premises as otherwise required in Section 105.4.

SECTION 6106 - PORTABLE UNVENTED OIL-BURNING HEATING APPLIANCES AND UNVENTED DECORATIVE GAS LOGS AND FIREPLACES.

6106.1 General. The design, construction and use of portable unvented oil-burning heating appliances shall be in accordance with Section 6106 and other applicable provisions of this code.

6106.2 Equipment. Portable unvented oil-burning heating appliances shall be listed and shall be limited to a fuel tank capacity of 2 gallons (7.6 L).

EXCEPTION: Appliances approved for temporary use during construction processes are allowed to have a greater fuel tank capacity, provided such capacity does not exceed the terms of the listing of the appliance.

6106.3 Location. The use of listed portable unvented oil-burning heating appliances shall be limited to supplemental heating in Groups S, Divisions 3, 4, and 5 and Group U Occupancies.

EXCEPTIONS:

1. When approved, portable unvented oil-burning heating appliances may be used in any occupancy during construction processes when such use is necessary for the construction and the use does not represent a hazard to life or property.

2. Approved, unvented portable oil-fueled heaters may be used as a supplemental heat source in any Group B, F-2, M, R or U Occupancy provided that such heaters shall not be located in any sleeping room or bathroom, and shall comply with RCW 19.27A.080, 19.27A.090, 19.27A.100, 19.27A.110, and 19.27A.120.

3. Approved, unvented decorative gas logs and decorative fireplaces may be installed, used, maintained and permitted to exist in any Group I or R Occupancy, except bathrooms and bedrooms. An unvented decorative gas log is a listed natural or liquefied petroleum gas burning log with an open flame consisting of a metal frame or base supporting simulated logs which is designed so that its primary function lies in the aesthetic effect of the logs and flame. An unvented decorative fireplace is a listed unvented gas log permanently installed in a freestanding enclosure or zero clearance enclosure designed and approved for installation in walls or other building structures. Unvented decorative gas logs and fireplaces shall:

1. Be equipped with an approved oxygen-depletion sensor.
2. Be listed.
3. Not be installed in any room which does not have an alternative primary source of heat.
4. Have free air volume of at least 50 cubic feet (1.4 m³) for each 1,000 Btu (2.2 mm²/W) of thermal output, and
5. Be permanently installed.

6106.4 Fuel. The grade and type of fuel shall be in accordance with the listing for the appliance. Storage and handling of fuel shall be in accordance with Article 79.

NEW SECTION**WAC 51-44-6300 Article 63—Refrigeration.****SECTION 6301 - SCOPE.**

6301.1 This article shall govern the design, installation, construction and repair of refrigeration systems that vaporize and liquefy a fluid during the refrigerating cycle. Refrigerant piping design and installation, including pressure vessels and pressure relief devices, shall conform to this code. Permanently installed refrigerant storage systems and other components shall be considered as part of the refrigeration system to which they are attached.

6301.2 Refrigeration unit and system installations having a refrigerant circuit containing more than 220 pounds (100 kg) of Group A1 or 30 pounds (13.6 kg) of any other group refrigerant shall be in accordance with Article 63 and the Mechanical Code. See the Mechanical Code for refrigerant group descriptions. See also Sections 8001.1.2 and 8002.

EXCEPTION: The chief is authorized to exempt temporary or portable installations.

6301.3 Refrigeration systems shall comply with the requirements of this code and, except as modified by this code, ASHRAE 15 - 1994. Ammonia refrigerating systems shall comply with this code and, except as modified by this code, ASHRAE 15 - 1994 and IAR 2 - 1992.

SECTION 6309 - AMMONIA DISCHARGE.

Ammonia refrigeration systems shall be designed and installed in accordance with ASHRAE 15 - 1994 Section 9.7.8.2, Ammonia Discharge.

EXCEPTION: An emergency discharge is not required for ammonia-water absorption unit systems installed outdoors provided that the discharge is shielded and dispersed.

SECTION 6310 - REFRIGERATION MACHINERY ROOMS.

6310.1 When Required. Where required by UMC Table 1104.2(1), a machinery room shall be provided to enclose refrigeration systems located indoors. Access to the machinery room shall be restricted to authorized personnel. For rooms where occupational exposure could occur, see WAC 269-62-07515 and 296-62-3112.

6310.2 Dimensions. A machinery room shall be dimensioned so as to provide clearances required by UMC Chapter 3. There shall be clear head room of not less than 7 feet 3 inches (2210 mm).

6310.3 Means of egress. Means of egress shall comply with Uniform Building Code Section 1020 - Special Hazards.

Each machinery room shall be provided with a minimum of one exit door that opens directly to the outside.

EXCEPTION: Self-closing, tight-fitting doors opening into a vestibule leading directly outside.

6310.4 Refrigerant-vapor Alarms. Machinery rooms shall contain a refrigerant vapor detector with an audible and visual alarm. The detector, or a sampling tube that draws air to the detector, shall be located in an area where refrigerant vapor from a leak will concentrate. The alarm shall be actuated at a value not greater than the corresponding TLV -

TWA values shown in UMC Table 1104.1. Detectors and alarms shall be placed in approved locations.

EXCEPTION: Detectors are not required for ammonia systems complying with UMC Section 1106.8.

6310.7 Special Requirements. Open flames that use combustion air from the machinery room shall not be installed in a machinery room.

EXCEPTIONS: 1. Matches, lighters, halide leak detectors and similar devices.

2. Where the refrigerant is carbon dioxide or water.

3. Fuel burning equipment shall not be prohibited in the same machinery room with refrigerant - containing equipment where combustion air is ducted from outside the machinery room and sealed in such a manner as to prevent any refrigerant leakage from entering the combustion chamber, or where a refrigerant vapor detector is employed to automatically shut off the combustion process in the event of refrigerant leakage.

SECTION 6311 - REFRIGERATION MACHINERY ROOM VENTILATION.

6311.1 General. Machinery rooms shall be mechanically ventilated to the outdoors. Mechanical ventilation shall be capable of exhausting the minimum quantity of air both at the normal operating and emergency conditions. Multiple fans or multispeed fans shall be allowed in order to produce the emergency ventilation rate to obtain a reduced airflow for normal ventilation.

EXCEPTION: Where a refrigerating system is located outdoors more than 20 feet (6096 mm) from any building opening and is enclosed by a penthouse, lean - to or other structure, natural or mechanical ventilation shall be provided in accordance with UMC Section 1105.9.

6311.2 Distribution of Ventilation. Provisions shall be made for supply air to replace that being exhausted. Openings for supply air shall be located to avoid intake of exhaust air. Air supply and exhaust ducts to the machinery room shall comply with the provisions of UMC Section 1105.9.

6311.3 Intermittent Control of Ventilation Systems. Fans providing refrigeration machinery room temperature control or automatic response to refrigerant vapor are allowed to be automatically controlled to provide intermittent ventilation as conditions require.

6311.4 Emergency Control of Ventilation Systems. Fans providing emergency purge ventilation for refrigerant escape shall have a clearly identified switch of the break-glass type providing on-only control immediately adjacent to and outside of each refrigerant machinery room exit. Purge fans shall also respond automatically to the refrigerant concentration detection system set to activate the ventilation system at values not greater than the corresponding TLV - TWA values shown in UMC Table 1104.1. Ventilation equipment in ammonia machinery rooms equipped with a refrigerant vapor detector that will automatically start the ventilation system and actuate an alarm may be set at detection levels which exceed those in UMC Table 1104.1 but such detection level setting shall not exceed 1,000 ppm. An emergency purge control shall be provided with a manual reset only.

6311.6 Ventilation Discharge. Exhaust from mechanical ventilation systems shall be discharged 20 feet (6096 mm) or

more from a property line or openings into buildings. Also see Section 6308.

6311.7 Fans. Fans and associated equipment intended to operate the emergency purge of other than Group A1 or Group B1 refrigerants shall meet the requirements for a Class I, Division 1 hazardous location as specified in the Electrical Code.

EXCEPTION: Ammonia machinery rooms.

SECTION 6313 - DETECTION AND ALARM SYSTEMS.

6313.2.1 Alarm. Refrigerant vapor alarms shall be activated at a value not greater than the corresponding TLV - TWA values shown in UMC Table 1104.1.

EXCEPTION: Alarms in ammonia machinery rooms may be activated by a detector setting not to exceed 1,000 ppm when the activation of the detector will automatically start the ventilation system.

6313.2.2 Automatic shutdown, is not adopted.

SECTION 6314 - REFRIGERATION MACHINERY ROOM EQUIPMENT AND CONTROLS.

6314.4 Emergency Control. A clearly identified switch of the break-glass type providing off-only control of electrically energized equipment and devices within the refrigeration machinery room shall be provided immediately adjacent to and outside of each refrigeration machinery room means of egress.

SECTION 6315 - REFRIGERANT CONTROL VALVES.

6315.2 Support. Stop valves installed in copper refrigerant lines of 7/8 inch (22 mm) or less outside diameter shall be securely supported independently of the tubing or piping.

SECTION 6318 - INSTRUCTIONS.

The person in charge of premises on which a refrigeration unit or system is installed shall provide an approved card located in the emergency control box designating:

1. Instructions for suspending operation of the system in the event of an emergency,
2. The name, address, and emergency telephone numbers to obtain emergency service,
3. The name, address, and telephone number of the fire department with instructions to notify the fire department in the event of an emergency,
4. The names, addresses, and telephone numbers of all corporate, local, state, and federal agencies to be contacted as required in the event of a reportable incident, and,
5. The location and operation of emergency discharge systems when such systems are required by Article 63.

NEW SECTION

WAC 51-44-7404 Section 7404—Medical gas systems.

7404.1 General. Compressed gases at hospitals and similar facilities intended for inhalation or sedation including, but not limited to, analgesia systems for dentistry, podiatry,

veterinary and similar uses shall be in accordance with Section 7404 in addition to other requirements of Article 74.

EXCEPTION: All distribution piping, supply manifolds, connections, regulators, valves, alarms, sensors and associated equipment shall be in accordance with the plumbing code.

7404.2.3 - Medical gas systems, is not adopted.

NEW SECTION

WAC 51-44-7802 Section 7802—Fireworks.

7802.1 General. Storage, use and handling of fireworks shall be in accordance with chapter 70.77 RCW and local ordinances consistent with chapter 70.77 RCW.

7802.2 Seizure of Fireworks, through 7802.4.9.8.10 Record, is not adopted.

NEW SECTION

WAC 51-44-7900 Article 79—Flammable and combustible liquids.

SECTION 7902 - STORAGE.

7902.1.7.2.4 Tanks abandoned in place. Tanks abandoned in place shall be abandoned as follows:

1. Flammable and combustible liquids shall be removed from the tank and connected piping,
2. The suction, inlet, gage, vapor return and vapor lines shall be disconnected,
3. The tank shall be filled completely with an approved, inert solid material,
4. Remaining underground piping shall be capped or plugged, and
5. A record of the tank size, location and date of abandonment shall be retained.

EXCEPTION: Residential heating oil tanks of 1,100 gallons (4,164 L) or less, provided the fill line is permanently capped or plugged, below grade, to prevent refilling of the tank.

7902.6.8 Leaking tanks. Leaking tanks shall be handled in accordance with WAC 173-360-325.

7902.6.10 Tank lining. Steel tanks are allowed to be lined only for the purpose of protecting the interior from corrosion or providing compatibility with a material to be stored. Only those liquids tested for compatibility with the lining material are allowed to be stored in lined tanks. Lining of leaking underground storage tanks shall be done in accordance with the provisions of WAC 173-360-325.

7902.6.15.2 Cathodic protection. Cathodic protection systems provided for corrosion protection shall be in accordance with recognized standards. See WAC 173-360-320.

SECTION 7903 - DISPENSING, USE, MIXING AND HANDLING.

7903.4 Solvent Distillation Units.

7903.4.1 General. Solvent distillation units used to recycle Class I, II or III-A liquids having a distillation chamber capacity of 60 gallons (227.1 L) or less shall be listed,

labeled and installed in accordance with Section 7903.4 and nationally recognized standards. See Article 90, Standard u.1.17.

- EXCEPTIONS:**
1. Solvent distillation units installed in dry-cleaning plants in accordance with Section 3603.
 2. Solvent distillation units used in continuous throughput industrial processes where the source of heat is remotely supplied using steam, hot water, oil or other heat-transfer fluids, the temperature of which is below the auto-ignition point of the solvent(s).
 3. Approved research, testing and experimental processes.

Solvent-distillation units used to recycle Class I, II or III-A liquids, having a distillation chamber capacity exceeding 60 gallons (227.1 L) shall be used in locations that comply with the use and mixing requirements of Section 7903 and other applicable provisions in Article 79.

Classes I, II and III-A liquids also classified as unstable (reactive) shall not be processed in solvent-distillation units.

EXCEPTION: Appliances listed for the distillation of unstable (reactive) solvents.

SECTION 7904 - SPECIAL OPERATIONS.

7904.5.4.2.2 Marine craft and special equipment. Liquids intended for use as motor fuels are allowed to be transferred from tank vehicles into the fuel tanks of marine craft and special equipment under the following conditions and when approved, and when:

1. The tank vehicle's specific function is that of supplying fuel to fuel tanks and each premises shall require a separate permit issued in accordance with Section 105,
2. The operation shall be performed only where the general public has no access or where there is no unusual exposure to life and property,
3. The dispensing line shall not exceed 50 feet (15 240 mm) in length, and
4. The dispensing nozzle is approved.

7904.5.4.2.2.1 Vehicle fueling. When approved by the chief, dispensing of motor vehicle fuel from tank vehicles into the fuel tanks of motor vehicles is allowed in accordance with Article 52 and Sections 7904.2 and 7904.5.4.2.2.

NEW SECTION

WAC 51-44-8000 Article 80—Hazardous materials.

SECTION 8001 - GENERAL.

8001.3.2 Hazardous materials management plan. When required by the chief, each application for a permit shall include a hazardous materials management plan (HMMP). The location of the HMMP shall be posted adjacent to permits when an HMMP is provided. The HMMP shall include a facility site plan designating the following:

1. Storage and use areas,
2. Maximum amount of each material stored or used in each area,
3. Range of container sizes,
4. Locations of emergency isolation and mitigation valves and devices,

5. Product conveying piping containing liquids or gases, other than utility-owned fuel gas lines and low-pressure fuel gas lines,

6. On and off positions of valves for valves which are of the self-indicating type, and

7. Storage plan showing the intended storage arrangement, including the location of aisles.

The plans shall be legible and approximately to scale. Separate distribution systems are allowed to be shown on separate pages.

See also Appendix II-E.

SECTION 8003 - STORAGE.

8003.3.2.3 Canopies. Portable tanks and cylinders stored outside of buildings shall be stored under a canopy of noncombustible construction. Such storage shall not be considered indoor storage. See also Section 8003.1.14.

EXCEPTION: Portable tanks and cylinders used for storing anhydrous ammonia (fertilizer grade).

An automatic fire-sprinkler system shall be provided for canopies used for storage of highly toxic or toxic compressed gases.

EXCEPTION: Where water is incompatible with the hazardous material stored, the chief may approve alternate fire suppression methods to an automatic sprinkler system.

**Chapter 51-45 WAC
STATE BUILDING CODE ADOPTION AND
AMENDMENT
OF THE 1997 EDITION OF THE UNIFORM FIRE
CODE STANDARDS**

NEW SECTION

WAC 51-45-001 Authority. These rules are adopted under the authority of chapter 19.27 RCW.

NEW SECTION

WAC 51-45-002 Purpose. The purpose of these rules is to implement the provisions of chapter 19.27 RCW, which provides that the State Building Code council shall maintain the State Building Code in a status which is consistent with the purpose as set forth in RCW 19.27.020. In maintaining the codes the council shall regularly review updated versions of the codes adopted under the act, and other pertinent information, and shall amend the codes as deemed appropriate by the council.

NEW SECTION

WAC 51-45-003 Uniform fire code standards. The 1997 edition of the Uniform Fire Code Standards as published by the International Fire Code Institute is hereby adopted by reference with the following additions, deletions, and exceptions.

PERMANENT

NEW SECTION

WAC 51-45-007 Exceptions. The exceptions and amendments to the Uniform Fire Code Standards contained in the provisions of chapter 19.27 RCW shall apply in case of conflict with any of the provisions of these rules.

NEW SECTION

WAC 51-45-008 Implementation. The Uniform Fire Code Standards adopted by chapter 51-45 Washington Administrative Code (WAC) shall become effective in all counties and cities of this state on July 1, 1998.

NEW SECTION

WAC 51-45-80400 Standard 80-4 - Inert cryogenic fluid systems at consumer sites.

Section 5.2.1.2 When bulk inert gas systems are installed in a building of other than Type I or II construction, an approved, supervised automatic sprinkler system shall be provided in the room or area in which the system is installed. Activation of the automatic sprinkler system shall initiate a local alarm and transmit a signal to a constantly attended control station.

**WSR 98-02-054
PERMANENT RULES
BUILDING CODE COUNCIL**

[Filed January 6, 1998, 11:57 a.m., effective July 1, 1998]

Date of Adoption: November 14, 1997.

Purpose: To adopt chapter 51-40 WAC, the state adoption and amendment of the 1997 Uniform Building Code; and to repeal chapter 51-30 WAC, the state adoption and amendment of the 1994 Uniform Building Code.

Citation of Existing Rules Affected by this Order: Repealing chapter 51-30 WAC.

Statutory Authority for Adoption: RCW 19.27.031, 19.27.074.

Adopted under notice filed as WSR 97-16-111 on August 6, 1997.

Changes Other than Editing from Proposed to Adopted Version: WAC 51-40-007, change second paragraph after "Section 3003" and before "of the 1997" by adding "(with the exception of 3003.3 standby power and 3003.5 stretcher requirements)". This change resulted from testimony at the public hearing.

WAC 51-40-0405, delete Option 1. This change resulted from testimony at the public hearing.

WAC 51-40-1003, subsection 1003.3.4.4, delete Option 2. This change resulted from testimony at the public hearing; and subsection 1003.3.4.5, delete Option 2. This change resulted from testimony at the public hearing.

WAC 51-40-1103, subsection 1103.2.2. Add a new exception allowing mezzanine floor levels in one story buildings without basements that are less than 3,000 square feet to be exempt from the accessible route requirements. This exception provides greater consistency with the Americans with Disabilities Act. This change resulted from testimony at the public hearing.

WAC 51-40-1106, subsection 1106.3.2. Delete Option 1. This change resulted from testimony at the public hearing; subsection 1106.10.7. This subsection was proposed for deletion. The section was re-added stating, "1106.10.7 Vision Panels. Where a door contains one or more vision panels, the bottom of the glass of at least one panel, shall be not more than 43 inches (1091mm) above the floor."; and subsection 1106.11.3. Delete Option 1. This change resulted from testimony at the public hearing.

WAC 51-40-1506, delete section. This change resulted from testimony at the public hearing.

WAC 51-40-2900, delete Option 1. This change resulted from testimony at the public hearing.

WAC 51-40-3004, this is a new section being added as a result of testimony at the public hearings. This change clarifies the requirement for the manual vent switch and eliminates a conflict with the Washington State Energy Code.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 28, amended 0, repealed 0; or Recently Enacted State Statutes: New 1, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 30, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 102.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 68, amended 0, repealed 102; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: July 1, 1998.

January 5, 1998
Mike McEnaney
Council Chair

**Chapter 51-40 WAC
STATE BUILDING CODE ADOPTION AND
AMENDMENT OF THE 1997 EDITION OF THE
UNIFORM BUILDING CODE**

NEW SECTION

WAC 51-40-001 Authority. These rules are adopted under the authority of chapter 19.27 RCW.

NEW SECTION

WAC 51-40-002 Purpose. The purpose of these rules is to implement the provisions of chapter 19.27 RCW, which provides that the State Building Code council shall maintain the State Building Code in a status which is consistent with the purpose as set forth in RCW 19.27.020. In maintaining the codes the council shall regularly review updated versions of the codes adopted under the act, and other pertinent information, and shall amend the codes as deemed appropriate by the council.

PERMANENT

NEW SECTION

WAC 51-40-003 Uniform Building Code. The 1997 edition of the Uniform Building Code as published by the International Conference of Building Officials and available from the International Conference of Building Officials, 5360 Workman Mill Road, Whittier, California 90601 is hereby adopted by reference with the following additions, deletions, and exceptions.

NEW SECTION

WAC 51-40-004 Conflicts with Washington State Ventilation and Indoor Air Quality Code. In the case of conflict between the ventilation requirements of Chapter 12 of this code and the ventilation requirements of chapter 51-13 WAC, the Washington State Ventilation and Indoor Air Quality Code, the provisions of the Ventilation and Indoor Air Quality Code shall govern.

NEW SECTION

WAC 51-40-005 Uniform Building Code requirements for barrier-free accessibility. Chapter 11 and other Uniform Building Code requirements for barrier-free access are adopted pursuant to chapters 70.92 and 19.27 RCW.

Pursuant to RCW 19.27.040, Chapter 11 and requirements affecting barrier-free access in Sections 1003.3.1.1, 1003.3.1.2, 1003.3.1.5, 1003.3.1.6, 1003.3.3.3, 1003.3.3.5, 1003.3.3.6, 1003.3.3.13, 1003.3.4.4, 1003.3.4.5, shall not be amended by local governments.

NEW SECTION

WAC 51-40-007 Exceptions. The exceptions and amendments to the Uniform Building Code contained in the provisions of chapter 19.27 RCW shall apply in case of conflict with any of the provisions of these rules.

Table 10-D, Section 1607.6 and Section 3003 (with the exception of 3003.3 Standby Power and 3003.5 Stretcher Requirements) of the 1997 Uniform Building Code are not adopted.

The provisions of this code do not apply to temporary growing structures used solely for the commercial production of horticultural plants including ornamental plants, flowers, vegetables, and fruits. "Temporary growing structure" means a structure that has the sides and roof covered with polyethylene, polyvinyl, or similar flexible synthetic material and is used to provide plants with either frost protection or increased heat retention. A temporary growing structure is not considered a building for purposes of this code.

NEW SECTION

WAC 51-40-008 Implementation. The Uniform Building Code adopted under chapter 51-40 WAC shall become effective in all counties and cities of this state on July 1, 1998.

NEW SECTION

WAC 51-40-009 Recyclable materials and solid waste storage. For the purposes of this section, the following definition shall apply:

RECYCLED MATERIALS means those solid wastes that are separated for recycling or reuse, such as papers, metals and glass.

All local jurisdictions shall require that space be provided for the storage of recycled materials and solid waste for all new buildings.

EXCEPTION: Group R, Division 3 and Group U Occupancies.

The storage area shall be designed to meet the needs of the occupancy, efficiency of pickup, and shall be available to occupants and haulers.

NEW SECTION

WAC 51-40-0200 Chapter 2—Definitions and abbreviations.

SECTION 204 - C.

CHILD DAY CARE, shall, for the purposes of these regulations, mean the care of children during any period of a 24 hour day.

CHILD DAY CARE HOME, FAMILY is a child day care facility, licensed by the state, located in the family abode of the person or persons under whose direct care and supervision the child is placed, for the care of twelve or fewer children, including children who reside at the home.

SECTION 207 - F.

FAMILY ABODE means a single dwelling unit and accessory buildings occupied for living purposes by a family which provides permanent provisions for living, sleeping, eating, cooking, and sanitation.

FLOOR AREA is the area included within the surrounding exterior walls of a building or portion thereof, exclusive of vent shafts, courts, and gridirons. The floor area of a building, or portion thereof, not provided with surrounding exterior wall shall be the usable area under the horizontal projection of the roof or floor above.

SECTION 217 - P.

PORTABLE SCHOOL CLASSROOM is a structure, transportable in one or more sections, which requires a chassis to be transported, and is designed to be used as an educational space with or without a permanent foundation. The structure shall be trailerable and capable of being demounted and relocated to other locations as needs arise.

SECTION 220 - S.

STRUCTURAL OBSERVATION means the visual observation of the structural system, for general conformance to the approved plans and specifications. Structural observation does not include or waive the responsibility for the inspections required by Sections 108 and 1701 or other sections of the code.

SURGICAL AREA is the preoperating, operating, recovery and similar rooms within an outpatient health-care center where the patients are incapable of unassisted self-preservation.

NEW SECTION**WAC 51-40-0302 Section 302—Mixed use or occupancy.**

302.1 General. When a building is used for more than one occupancy purpose, each part of the building comprising a distinct "occupancy", as described in Section 301 shall be separated from any other occupancy as specified in Section 302.4.

EXCEPTIONS:

1. When an approved spray booth constructed in accordance with the Fire Code is installed, such booth need not be separated from Group B, F, H, M or S Occupancies.
2. The following occupancies need not be separated from the uses to which they are accessory:
 - 2.1 Assembly rooms having a floor area of not over 750 square feet (69 m²).
 - 2.2 Administrative and clerical offices and similar rooms which do not exceed 25 percent of the floor area of the major use when not related to Group H, Division 2 and Group H, Division 3 Occupancies.
 - 2.3 Gift shops, administrative offices and similar rooms in Group R, Division 1 Occupancies not exceeding 10 percent of the floor area of the major use.
 - 2.4 The kitchen serving the dining area of which it is a part.
 - 2.5 Customer waiting rooms not exceeding 450 square feet (41.8 m²) when not related to Group H Occupancies and when such waiting rooms have an exit directly to the exterior.
 - 2.6 Offices, mercantile, food preparation establishments for off-site consumption, personal care salons or similar uses in Group R dwelling units which are conducted primarily by the occupants of a dwelling unit, which are secondary to the use of the unit for dwelling purposes, and which do not exceed 500 square feet (46.4 m²).
3. An occupancy separation need not be provided between a Group R, Division 3 Occupancy and a carport having no enclosed uses above, provided the carport is entirely open on two or more sides.
4. A Group S, Division 3 Occupancy used exclusively for the parking or storage of private or pleasure-type motor vehicles need not be separated from a Group S, Division 4 Occupancy open parking garage as defined in Section 311.1.

When a building houses more than one occupancy, each portion of the building shall conform to the requirements for the occupancy housed therein.

An occupancy shall not be located above the story or height set forth in Table 5-B, except as provided in Section 506. When a mixed occupancy building contains a Group H, Division 6 Occupancy the portion containing the Group H, Division 6 Occupancy shall not exceed three stories or 55 feet (16 764 mm) in height.

NEW SECTION**WAC 51-40-0303 Section 303—Requirements for Group A occupancies.**

303.5 Light, Ventilation and Sanitation. In Group A Occupancies, light, ventilation and sanitation shall be as specified in Chapters 12 and 29.

NEW SECTION**WAC 51-40-0304 Section 304—Requirements for Group B occupancies.**

304.2.2.1 Laboratories and vocational shops. Laboratories or groups of laboratories under the same management and vocational shops in buildings used for educational purposes, and similar areas containing hazardous materials, shall be separated from each other and other portions of the building by not less than a one-hour fire-resistive occupancy separation. Laboratories or groups of laboratories may include accessory support areas such as offices. When the quantities of hazardous materials in such uses do not exceed those listed in Table 3-D or 3-E, the requirements of Sections 307.5 and 307.8 shall apply. When the quantities of hazardous materials in such uses exceed those allowed by Table 3-D or 3-E, the use shall be classified as the appropriate Group H Occupancy.

Laboratories having an occupant load of 10 or more shall have at least two exits or exit-access doors from the room and all portions of the room shall be within 75 feet (22 860 mm) of an exit or exit-access door.

304.5 Light, Ventilation and Sanitation. In Group B Occupancies, light, ventilation and sanitation shall be as specified in Chapters 12 and 29.

304.5.1 is not adopted.

304.5.2 is not adopted.

NEW SECTION**WAC 51-40-0305 Section 305—Requirements for Group E occupancies.**

305.1 Group E Occupancies Defined. Group E Occupancies shall be:

Division 1. Any building used for educational purposes through the 12th grade by 50 or more persons for more than 12 hours per week or four hours in any one day.

Division 2. Any building used for educational purposes through the 12th grade by less than 50 persons for more than 12 hours per week or four hours in any one day.

Division 3. Any building or portion thereof used for day care purposes for more than six persons.

EXCEPTION: Family child day care homes shall be considered Group R, Division 3 Occupancies.

For occupancy separations, see Table 3-B.

305.2.3 Special provisions. Rooms in Division 1 and 2 Occupancies used for kindergarten, first- or second-grade pupils, and Division 3 Occupancies shall not be located above or below the first story.

EXCEPTIONS:

1. Basements or stories having floor levels located within 4 feet (1219 mm), measured vertically, from adjacent ground level at the point of exit discharge, provided the basement or story has exterior exit doors at that level.
2. In buildings equipped with an automatic sprinkler system throughout, rooms used for kindergarten, first- and second-grade children or for day-care purposes may be located on the second story, provided there are at least two

exit doors into separate means of egress systems as defined in Section 1007.3.

3. Division 3 Occupancies may be located above the first story in buildings of Type I construction and in Types II-F.R., II One-hour and III One-hour construction, subject to the limitation of Section 506 when:

3.1 Division 3 Occupancies containing more than 12 children per story shall not be located above the fourth floor; and

3.2 The entire story in which the day-care facility is located is equipped with an approved manual fire alarm and smoke-detection system. (See the Fire Code.) Actuation of an initiating device shall sound an audible alarm throughout the entire story. When a building fire alarm system is required by other provisions of this code or the Fire Code, the alarm system shall be connected to the building alarm system.

An approved alarm signal shall sound at an approved location in the day-care occupancy to indicate a fire alarm or sprinkler flow condition in other portions of the building; and

3.3 The day-care facility, if more than 1,000 square feet (92.9 m²) in area, is divided into at least two compartments of approximately the same size by a smoke barrier with door openings protected by smoke- and draft-control assemblies having a fire-protection rating of not less than 20 minutes. Smoke barriers shall have a fire-resistive rating of not less than one hour. In addition to the requirements of Section 302, occupancy separations between Division 3 Occupancies and other occupancies shall be constructed as smoke barriers. Door openings in the smoke barrier shall be tightfitting with gaskets installed as required by Section 1005, and shall be automatic closing by actuation of the automatic sprinklers, fire alarm or smoke-detection system. Openings for ducts and other heating, ventilating and air-conditioning openings shall be equipped with a minimum Class I, 250°F (121°C) smoke damper as defined and tested in accordance with approved recognized standards. See Chapter 35, Part IV. The damper shall close upon detection of smoke by an approved smoke detector located within the duct, or upon the activation of the fire alarm system; and

3.4 Each compartment formed by the smoke barrier has not less than two exits or exit-access doors, one of which is permitted to pass through the adjoining compartment; and

3.5 At least one exit or exit-access door from the Division 3 Occupancy shall be into a separate means of egress as defined in Section 1007.3; and

3.6 The building is equipped with an automatic sprinkler system throughout.

Stages and platforms shall be constructed in accordance with Chapter 4. For attic space partitions and draft stops, see Section 708.

305.5 Light, Ventilation and Sanitation. In Group E Occupancies, light, ventilation and sanitation shall be as specified in Chapters 12 and 29.

NEW SECTION

WAC 51-40-0307 Section 307—Requirements for Group H occupancies.

307.5 Light, Ventilation and Sanitation. In Group H Occupancies, light, ventilation and sanitation shall be as specified in Chapters 12 and 29.

307.5.1 is not adopted.

307.5.2 is not adopted.

307.5.3 is not adopted.

307.5.4 is not adopted.

NEW SECTION

WAC 51-40-0308 Section 308—Requirements for Group I occupancies.

308.5 Light, Ventilation and Sanitation. In Group I Occupancies, light, ventilation and sanitation shall be as specified in Chapters 12 and 29.

308.5.1 is not adopted.

308.5.2 is not adopted.

NEW SECTION

WAC 51-40-0310 Section 310—Requirements for Group R occupancies.

310.1 Group R Occupancies Defined. Group R Occupancies shall be:

Division 1. Hotels and apartment houses.

Congregate residences (each accommodating more than 10 persons).

Division 2. Not used.

Division 3. Dwellings, family child day care homes and lodging houses.

Congregate residences (each accommodating 10 persons or less).

Foster Family Care Homes licensed by the Washington State Department of Social and Health Services shall be permitted, as an accessory use to a dwelling unit, for six or fewer children including those of the resident family.

For occupancy separations, see Table 3-B.

A complete code for construction of detached one- and two-family dwellings is in Appendix Chapter 3, Division III, of this code. When adopted, as set forth in Section 101.3, it will take precedence over the other requirements set forth in this code.

310.2.2 Special provisions. Walls and floors separating dwelling units in the same building, or guest rooms in Group R, Division 1 hotel occupancies, shall not be of less than one-hour fire-resistive construction.

Group R, Division 1 Occupancies more than two stories in height or having more than 3,000 square feet (279 m²) of floor area above the first story shall not be of less than one-hour fire-resistive construction throughout, except as provided in Section 601.5.2.2.

Storage or laundry rooms that are within Group R, Division 1 Occupancies that are used in common by tenants shall be separated from the rest of the building by not less than one-hour fire-resistive occupancy separation. The separation between individual storage lockers may be non-rated in rooms of 500 square feet (46.4 m²) or less in area and in sprinklered rooms of any size.

For Group R, Division 1 Occupancies with a Group S, Division 3 parking garage in the basement or first story, see Section 311.2.2.

For attic space partitions and draft stops, see Section 708.

310.5 Light, Ventilation and Sanitation. In Group R Occupancies, light, ventilation and sanitation shall be as specified in Chapters 12 and 29.

310.9.1.6. Location within family child day care homes. In family child day care homes operable detectors shall be located in all sleeping and napping areas. When the family child day care home has more than one story, and in family child day care homes with basements, an operable detector shall be installed on each story and in the basement. In family child day care homes where a story or basement is split into two or more levels, the smoke detector shall be installed in the upper level, except that when the lower level contains a sleeping or napping area, an operable detector shall be located on each level. When sleeping rooms are on an upper level, the detector shall be placed at the ceiling of the upper level in close proximity to the stairway. In family child day care homes where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24 inches or more, smoke detectors shall be installed in the hallway and the adjacent room. Detectors shall sound an alarm audible in all areas of the building.

310.13 Family Child Day Care Homes. For family child day care homes with more than six children, each floor level used for family child day care purposes shall be served by two remote means of egress. Exterior exit doors shall be operable from the inside without the use of keys or any special knowledge or effort.

Basements located more than four feet below grade level shall not be used for family child day care homes unless one of following conditions exist:

1. Stairways from the basement open directly to the exterior of the building without entering the first floor; or
2. One of the two required means of egress discharges directly to the exterior from the basement level, and a self closing door is installed at the top or bottom of the interior stair leading to the floor above; or
3. One of the two required means of egress is an operable window or door, approved for emergency escape or rescue, that opens directly to a public street, public alley, yard or exit court; or
4. A residential sprinkler system is provided throughout the entire building in accordance with National Fire Protection Association Standard 13d.

Floors located more than 4 feet above grade level shall not be occupied by children in family day care homes.

EXCEPTIONS:

1. Use of toilet facilities while under supervision of an adult staff person.
2. Family child day care homes may be allowed on the second story if one of the following conditions exists:
 - 2.1 Stairways from the second story open directly to the exterior of the building without entering the first floor; or
 - 2.2 One of the two required means of egress discharges directly to the exterior from the second story level, and a self closing door is installed at the top or bottom of the interior stair leading to the floor below; or

2.3 A residential sprinkler system is provided throughout the entire building in accordance with National Fire Protection Association Standard 13d.

Every sleeping or napping room in a family child day care home shall have at least one operable window for emergency rescue.

EXCEPTION: Sleeping or napping rooms having doors leading to two separate means of egress, or a door leading directly to the exterior of the building.

Rooms or spaces containing a commercial-type cooking kitchen, boiler, maintenance shop, janitor closet, laundry, woodworking shop, flammable or combustible storage, or painting operation shall be separated from the family child day care area by at least one-hour fire-resistive construction.

EXCEPTION: A fire-resistive separation shall not be required where the food preparation kitchen contains only a domestic cooking range, and the preparation of food does not result in the production of smoke or grease laden vapors.

NEW SECTION

WAC 51-40-0311 Section 311—Requirements for Group S occupancies.

311.5 Light, Ventilation and Sanitation. In Group S Occupancies, light, ventilation and sanitation shall be as specified in Chapters 12 and 29.

311.5.1 is not adopted.

311.5.2 is not adopted.

NEW SECTION

WAC 51-40-0313 Section 313—Requirements for Group LC occupancies.

313.1 Group LC Occupancies Defined. Group LC Occupancies shall include buildings, structures, or portions thereof, used for the business of providing licensed care to clients in one of the following categories regulated by either the Washington Department of Health or the Department of Social and Health Services:

1. Adult family home.
2. Adult residential rehabilitation facility.
3. Alcoholism intensive inpatient treatment service.
4. Alcoholism detoxification service.
5. Alcoholism long term treatment service.
6. Alcoholism recovery house service.
7. Boarding home.
8. Group care facility.
9. Group care facility for severely and multiple handicapped children.
10. Residential treatment facility for psychiatrically impaired children and youth.

EXCEPTION: Where the care provided at an alcoholism detoxification service is acute care similar to that provided in a hospital, the facility shall be classified as a Group I, Division 1.1 hospital.

313.2 Construction, Height and Allowable Area.

PERMANENT

313.2.1 General. Buildings or parts of buildings classed in Group LC because of the use or character of the occupancy shall be limited to the types of construction set forth in this section.

313.2.1.1 Type of construction. Except as provided herein, LC Occupancy buildings may be of any construction type allowed in this code and shall not exceed the limits specified in Sections 504, 505 and 506.

Group LC Occupancies which are licensed for more than six clients and which are more than two stories in height or which have more than 3,000 square feet (279 m²) above the first story shall not be less than one-hour fire-resistive construction throughout.

EXCEPTION: Buildings which are licensed for not more than 16 clients may be of Type V-N construction provided:

1. The entire building has an interior wall and ceiling covering consisting of 1/2 inch gypsum wall board or an approved equal installed in accordance with Section 2511; and,
2. An approved smoke-detection system, supervised by an approved central, proprietary or remote station service, is installed throughout the entire structure and is interconnected with any required sprinkler system.

For attic space partitions and draft stops, see Section 708.

313.2.1.2 Area and height. Buildings classified as Group LC Occupancy shall not exceed, in area or height, the limitations set forth in Table 5-B for Group R, Division 1 Occupancies.

EXCEPTION: LC Occupancies licensed for six or fewer clients may be of unlimited area provided they are limited to 3 stories or less.

313.2.1.3 Mixed Occupancies. Group LC Occupancies shall be separated from Group H occupancies by a four-hour fire-resistive occupancy separation and shall be separated from all other occupancies by a one-hour fire-resistive assembly.

EXCEPTIONS:

1. An occupancy separation need not be provided between a Group LC Occupancy licensed for 16 or fewer clients and a carport having no enclosed use above, provided the carport is entirely open on two or more sides.
2. In a Group LC Occupancy licensed for 16 or fewer clients, the one-hour occupancy separation between a Group LC Occupancy and a Group U, Division 1 Occupancy, may be limited to the installation of materials approved for one-hour fire-resistive construction on the garage side and a self-closing, tight-fitting solid-wood door 1 3/8 inches (35 mm) in thickness, or a self-closing tight-fitting door having a fire-protection rating of not less than 20 minutes when tested in accordance with Part II of UBC Standard 7-2, which is a part of this code, is permitted in lieu of a one-hour fire assembly. Fire dampers need not be installed in air ducts passing through the wall, floor or ceiling separating a Group LC Occupancy from a Group U Occupancy, provided such ducts within the Group U Occupancy are constructed of steel having a thickness not less than 0.019 inch (0.48 mm) (No. 26 galvanized sheet gage) and having no openings into the Group U Occupancy.
3. An occupancy separation need not be provided between a Group LC, Boarding Home Occupancy and a Group R, Division 1 Occupancy.

313.3 Location on Property. For fire-resistive protection of exterior walls and openings, as determined by location on property, see Section 503 and Chapter 6. For the purpose of

this determination, LC Occupancies licensed for six or fewer clients shall comply with provisions for Group R, Division 3 Occupancies; and all other LC Occupancies shall comply with provisions for Group R, Division 1 Occupancies.

313.4 Access, Means of Egress, and Emergency Escape.

313.4.1 Evacuation capability. Evacuation capability is the ability of the clients of a licensed care facility to respond to an emergency situation and either evacuate a building or move to a point of safety. Clients shall be classified in one of the following levels:

- I - persons physically and mentally capable of walking or traversing a normal path to safety, including the ascent and descent of stairs, and capable of self-preservation, without the physical assistance of another person.
- II - persons physically and mentally capable of traversing a normal path to safety with the use of mobility aids, but unable to ascend or descend stairs without the physical assistance of another person.
- III - persons physically or mentally unable to walk or traverse a normal path to safety without the physical assistance of another person.

313.4.2 Means of egress. Means of egress shall be provided as specified in Chapter 10. For the purpose of determining egress requirements, Group LC Occupancies shall be considered to have an occupant load factor of 300. At least two means of egress shall be required when the number of occupants (clients and staff) is 10 or more. For all other requirements of Chapter 10, Group LC Occupancies licensed for six or fewer clients shall comply with provisions for Group R, Division 3 Occupancies; and all other Group LC Occupancies shall comply with provisions for Group R, Division 1 Occupancies.

EXCEPTIONS:

1. Means of egress illumination required by Section 1003.2.9.1 need not be provided in any Group LC Occupancy licensed for six or fewer clients.
2. In LC Occupancies with an approved automatic fire sprinkler system and approved automatic fire alarm system, waiting and resting areas may be open to the corridor provided:
 - 2.1 Each rest area does not exceed 150 square feet, excluding the corridor width; and
 - 2.2 Walls defining the space shall continue the construction of the corridor's wall; and
 - 2.3 The floor on which the rest area or areas are located is divided into at least two compartments by smoke barrier walls of not less than one-hour fire-resistive construction meeting the requirements of Section 308.2.2.1 and Section 905.2.3; and
 - 2.4 Combustible furnishings located within the rest area are flame resistant as defined by Uniform Fire Code Section 207; and
 - 2.5 Emergency means of egress lighting is provided as required by Section 1003.2.9.1 to illuminate the area.

313.4.3 Accessibility. In new construction, Group LC Occupancies regardless of the number of clients shall comply with accessibility standards for Group R, Division 1 apartment buildings or congregate residences as specified in Chapter 11.

Where a Group LC Occupancy is being established by change of occupancy in an existing building, the building

shall be altered to comply with apartment building or congregate residence provisions of Chapter 11 if any client is a person with disability. The alterations shall provide the minimum necessary access appropriate for the disabilities of clients. Any alteration, whether to accommodate a client with disability or for another purpose, shall comply with Part III of Chapter 11.

313.4.4 Emergency escape.

313.4.4.1 Location of sleeping rooms. In every licensed care facility, all sleeping rooms occupied by clients with an evacuation capability of II or III shall be located on a grade level floor which provides not less than two means of egress which do not require clients to use stairs, elevator, or platform lift to exit the facility.

EXCEPTIONS:

1. In a Group LC Occupancy licensed to provide care to two or fewer clients with an evacuation capability of II or III and six or fewer total clients, only one means of egress which does not require clients to use stairs, elevator or platform lift to exit the facility need be provided.
2. Sleeping rooms for clients with an evacuation capability of II or III may be located on floors other than at grade level, provided the facility is divided into at least two compartments by smoke barriers of not less than one-hour fire-resistance meeting the requirements of Sections 308.2.2.1 and 905.2.3.

313.4.4.2 Escape windows and doors. Every sleeping room below the fourth story (including basements) shall have at least one operable window or door approved for emergency escape or rescue which shall open directly into a public street, public alley, yard or exit court. The emergency window shall be operable from the inside to provide a full, clear opening without the use of separate tools.

EXCEPTION: The window or door may open into an atrium complying with Section 402 provided the window or door opens onto an exit-access balcony and the sleeping room has an exit or exit-access doorway which does not open into the atrium.

Escape or rescue windows shall have a minimum net clear openable area of 5.7 square feet (0.53 m²). The minimum net clear openable height dimension shall be 24 inches (610 mm). The minimum net clear openable width dimension shall be 20 inches (508 mm). When windows are provided as a means of escape or rescue, they shall have a finished sill height not more than 44 inches (1118 mm) above the floor.

Escape and rescue windows with a finished sill height below the adjacent ground elevation shall have a window well. Window wells at escape and rescue windows shall comply with the following:

1. The clear horizontal dimension shall allow the window to be fully opened and provide a minimum accessible net clear opening of 9 square feet (0.84 m²), with a minimum dimension of 36 inches (914 mm).

2. Window wells with a vertical depth of more than 44 inches (1118 mm) shall be equipped with an approved permanently affixed ladder or stairs that are accessible with the window in the fully open position. The ladder or stairs shall not encroach into the required dimensions of the window well by more than 6 inches (152 mm).

Bars, grilles, grates or similar devices may be installed on emergency escape windows, doors or window wells, provided:

1. The devices are equipped with approved release mechanisms which are operable from the inside without the use of a key or special knowledge or effort; and

2. The building is equipped with smoke detectors installed in accordance with Section 313.8.

313.5 Light, Ventilation and Sanitation.

313.5.1 General. For the purpose of determining the light and ventilation for Group LC Occupancies required by this section, any room may be considered as a portion of an adjoining room when one half of the area of the common wall is open and unobstructed and provides an opening of not less than one tenth of the floor area of the interior room or 25 square feet (2.3 m²), whichever is greater.

Exterior openings for natural light or ventilation required by this section shall open directly onto a public way or a yard or court as set for in Section 313.5.4.

EXCEPTIONS:

1. Required exterior openings may open into a roofed porch where the porch:
 - 1.1 Abuts a public way, yard or court; and
 - 1.2 Has a ceiling height of not less than 7 feet (2134 mm); and
 - 1.3 Has a longer side at least 65 percent open and unobstructed.
2. Skylights.

313.5.2 Light. Sleeping rooms and habitable rooms within the licensed care facility shall be provided with natural light by means of exterior glazed openings with an area not less than one tenth of the floor area of such rooms with a minimum of 10 square feet (0.93 m²).

EXCEPTION: Kitchens may be provided with artificial light.

313.5.3 Ventilation. Group LC Occupancies shall comply with provisions for Group R Occupancies as provided in the Washington State Ventilation and Indoor Air Quality Code (WAC 51-13).

313.5.4 Yards and Courts.

313.5.4.1 General. This section shall apply to yards and courts adjacent to exterior openings that provide required light or ventilation. Such yards and courts shall be on the same property as the building.

313.5.4.2 Yards. Yards shall not be less than 3 feet (914 mm) in width for one-story and two-story buildings. For buildings more than two stories in height, the minimum width of the yard shall be increased at the rate of 1 foot (305 mm) for each additional story. For buildings exceeding 14 stories in height, the required width of the yard shall be computed on the basis of 14 stories.

313.5.4.3 Courts. Courts shall not be less than 3 feet (914 mm) in width. Courts having windows opening on opposite sides shall not be less than 6 feet (1829 mm) in width. Courts bounded on three or more sides by the walls of the building shall not be less than 10 feet (3048 mm) in length unless bounded on one end by a public way or yard. For buildings more than two stories in height, the court shall be increased 1 foot (305 mm) in width and 2 feet (610 mm) in

length for each additional story. For buildings exceeding 14 stories in height, the required dimensions shall be computed on the basis of 14 stories.

Adequate access shall be provided to the bottom of all courts for cleaning purposes. Every court more than two stories in height shall be provided with a horizontal air intake at the bottom not less than 10 square feet (0.93 m²) in area and leading to the exterior of the building unless abutting a yard or a public way. The construction of the air intake shall be as required for the court walls of the building but in no case less than one-hour fire resistive.

313.5.4.4 Eaves. Eaves over required windows shall extend no closer than 30 inches (762 mm) from the side and rear property lines. See also Sections 503.2 and 705.

313.5.5 Sanitation.

313.5.5.1 General. Sanitation facilities shall comply with Chapter 29 and the provisions of this section. Any room in which a water closet is located shall be separated from food preparation or storage rooms by a self-closing tight-fitting door.

313.5.5.2 Group LC Occupancies with six or fewer clients. Group LC Occupancies licensed for six or fewer clients shall be provided with not less than one water closet, one lavatory and one bathtub or shower.

313.5.5.3 Group LC Occupancies with more than six clients. Group LC Occupancies licensed for more than six clients shall provide not less than one water closet for each 10 male clients, or fractional part thereof, and not less than one water closet for each 8 female clients, or fractional part thereof.

In addition, not less than one lavatory shall be provided for each 12 male clients, or fractional part thereof, and not less than one lavatory for each 12 female clients, or fractional part thereof. Where the number of clients of either sex exceeds 12, one lavatory shall be added for each additional 20 males, or fractional part thereof, and one lavatory shall be added for each additional 15 females, or fractional part thereof.

In addition, not less than one bathtub or shower shall be provided for every eight clients, or fractional part thereof. Where there are female clients, one additional bathtub or shower shall be provided for each 30 female clients, or fractional part thereof. Where the number of total clients exceeds 150, one bathtub or shower shall be provided for each 20 clients, or fractional part thereof, over 150 clients.

313.6 Room Dimensions.

313.6.1 Ceiling Heights. Habitable space shall have a ceiling height of not less than 7 feet 6 inches (2286 mm) except as otherwise permitted in this section. Kitchens, halls, bathrooms and toilet compartments may have a ceiling height of not less than 7 feet (2134 mm) measured to the lowest projection from the ceiling. Where exposed beam ceiling members are spaced at less than 48 inches (1219 mm) on center, ceiling height shall be measured to the bottom of those members. Where exposed beam ceilings members are spaced at 48 inches (1219 mm) or more on center, ceiling height shall be measured to the bottom of the

deck supported by these members, provided that the bottom of the members is not less than 7 feet (2134 mm) above the floor.

If any room in a building has a sloping ceiling, the prescribed ceiling height for the room is required in only one half of the area thereof. No portion of the room measuring less than 5 feet (1524 mm) from the finished floor to the finished ceiling shall be included in any computation of the minimum area thereof.

If any room has a furred ceiling, the prescribed ceiling height is required in two thirds the area thereof, but in no case shall the height of the furred ceiling be less than 7 feet (2134 mm).

313.6.2 Floor area. Group LC Occupancies shall have at least one room which shall have not less than 120 square feet (11.2 m²) of floor area. Other habitable rooms except kitchens shall have an area of not less than 70 square feet (6.5 m²).

313.6.3 Width. Habitable rooms other than kitchens shall not be less than 7 feet (2134 mm) in any dimension.

313.7 Shaft and Exit Enclosures. Exits shall be enclosed as specified in Chapter 10.

Elevator shafts, vent shafts, dumbwaiter shafts, clothes chutes and other vertical openings shall be enclosed and the enclosure shall be as specified in Section 711.

313.8 Smoke Detectors and Sprinkler Systems.

313.8.1 Smoke detectors.

313.8.1.1 General. Rooms within licensed care facilities that are used for sleeping purposes shall be provided with smoke detectors. Detectors shall be installed in accordance with the approved manufacturer's instructions.

313.8.1.2 Additions, alterations or repairs. When the valuation of an addition, alteration or repair to a Group LC Occupancy exceeds \$1,000 and a permit is required, or when one or more sleeping rooms is added or created in an existing Group LC Occupancy, smoke detectors shall be installed in accordance with Sections 313.8.1.3 and 313.8.1.4 of this section.

EXCEPTION: Repairs to the exterior surfaces are exempt from the requirements of this section.

313.8.1.3 Power source. In new construction, required smoke detectors shall receive their primary power from the building wiring when such wiring is served from a commercial source and shall be equipped with a battery backup. The detector shall emit a signal when the batteries are low. Wiring shall be permanent and without a disconnecting switch other than those required for overcurrent protection. Smoke detectors may be solely battery operated when installed in existing buildings; or in buildings without commercial power; or in buildings which undergo alterations, repairs or additions regulated by Section 313.8.1.2.

313.8.1.4 Location. A detector shall be installed in each sleeping room and at a point centrally located in the corridor or area giving access to each separate sleeping area. When the licensed care facility has more than one story or in facilities with basements, a detector shall be installed on

each story and in the basement. Where a story or basement is split into two or more levels, the smoke detector shall be installed on the upper level, except that when the lower level contains a sleeping area, a detector shall be installed on each level. When sleeping rooms are on an upper level, the detector shall be placed at the ceiling of the upper level in close proximity to the stairway. Where the ceiling height of a room open to a hallway serving the bedrooms exceeds that of the hallway by 24 inches (610 mm) or more, smoke detectors shall be installed in the hallway and in the adjacent room. Detectors shall sound an alarm audible in all sleeping areas of the licensed care facility in which they are located.

313.8.2 Sprinkler and standpipe systems.

313.8.2.1 Sprinkler Systems. An automatic sprinkler system shall be installed throughout every licensed care facility three or more stories in height or licensed for more than 16 clients. Licensed care facilities with 16 or fewer clients, licensed to provide care for more than two clients who have an evacuation capability of II or III, shall be provided with an automatic sprinkler system throughout the facility.

EXCEPTION: An automatic sprinkler system need not be installed in any licensed care facility licensed for six or fewer clients regardless of the level of evacuation capability.

Where a sprinkler system is required, a system complying with UBC Standard 9-1 shall be installed.

EXCEPTIONS:

1. An automatic sprinkler system complying with UBC Standard 9-3 may be installed in buildings of four stories or less.
2. Where a Group LC Occupancy is being established by change of occupancy in an existing building not protected by a sprinkler system as is required above for buildings of new construction, an automatic sprinkler system complying with NFPA Standard 13d may be installed provided the care facility is licensed for not more than 16 clients.

Residential or quick-response heads shall be used in all sprinkler systems.

313.8.2.2 Standpipe systems. Standpipe systems shall be provided where required by Section 904.5.

313.9 Fire Alarm Systems. Group LC Occupancies licensed for more than 16 clients shall be provided with an approved manual and automatic fire alarm system. The local alarm shall provide an alarm signal with a sound pressure level of 15 dBA above the average ambient sound level in every occupied space within the building. The minimum sound pressure level shall be 70 dBA. The maximum sound pressure level shall not exceed 110 dBA at the minimum hearing distance from the audible appliance.

313.10 Heating. Licensed care facilities shall be provided with heating facilities capable of maintaining a room temperature of 70°F (21°C) at a point 3 feet (914 mm) above the floor in all habitable rooms.

313.11 Special Hazards. Chimneys and heating apparatus shall conform to the requirements of Chapter 31 and the Mechanical Code.

In Group LC Occupancies licensed for more than six clients, the storage, use and handling of flammable and combustible liquids shall be in accordance with the Fire

Code. In such facilities, doors leading into rooms in which Class I flammable liquids are stored or used shall be protected by a fire assembly having a one-hour fire-protection rating. Such fire assembly shall be self-closing and shall be posted with a sign on each side of the door in 1-inch (25.4 mm) block letters stating: FIRE DOOR—KEEP CLOSED.

In Group LC Occupancies licensed for more than 16 clients, rooms containing a boiler, central heating plant or hot-water supply boiler shall be separated from the rest of the building by not less than a one-hour occupancy separation.

NEW SECTION

WAC 51-40-0403 Section 403—Special provisions for Group B office buildings and Group R, Division 1 Occupancies.

403.6.1 General. A central control station room for fire department operations shall be provided. The location, size and arrangement of the central control station shall be approved by the authority having jurisdiction. The central control station room shall be separated from the remainder of the building by not less than a one-hour fire-resistive occupancy separation. It shall contain the following as a minimum:

1. The voice alarm and public address system panels.
2. The fire department communications panel.
3. Fire-detection and alarm systems annunciator panels.
4. Annunciator visually indicating the location of the elevators and whether they are operational.
5. Status indicators and controls for air-handling systems.
6. Controls for unlocking all stairway doors simultaneously.
7. Sprinkler valve and water-flow detector display panels.
8. Emergency and standby power status indicators.
9. A telephone for fire department use with controlled access to the public telephone system.
10. Fire pump status indicators.
11. Schematic building plans indicating the typical floor plan and detailing the building core, means of egress, fire-protection systems, fire fighting equipment and fire department access.
12. Work table.

NEW SECTION

WAC 51-40-0405 Section 405—Stages and platforms.

405.3.3.2 Roof vents. Two or more vents shall be located near the center of and above the highest part of the stage area. They shall be raised above the roof and provide a net free vent area equal to 5 percent of the stage area. Vents shall be constructed to open automatically by approved heat-

activated devices. Supplemental means shall be provided for manual operation of the ventilator from the stage floor. Vents shall be labeled by an approved agency.

NEW SECTION

WAC 51-40-0510 Section 510—Heating.

510.1 Definitions. For the purposes of this section only, the following definitions apply.

DESIGNATED AREAS are those areas designated by a county to be an urban growth area in Chapter 36.70A RCW and those areas designated by the U.S. Environmental Protection Agency as being in nonattainment for particulate matter.

SUBSTANTIALLY REMODELED means any alteration or restoration of a building exceeding 60 percent of the appraised value of such building within a 12 month period. For the purpose of this chapter, the appraised value is the value as defined in Section 223 of the Uniform Building Code.

510.2 Primary Heating Source. Primary heating sources in all new and substantially remodeled buildings in designated areas, shall not be dependent upon wood stoves.

510.3 Solid Fuel Burning Devices. No used solid fuel burning device shall be installed in new or existing buildings unless such device is United States Environmental Protection Agency certified or a pellet stove either certified or exempt from certification by the United States Environmental Protection Agency.

EXCEPTION: Antique wood cook stoves and heaters manufactured prior to 1940.

NEW SECTION

WAC 51-40-0804 Section 804—Maximum allowable flame spread.

804.1 General. The maximum flame-spread class of finish materials used on interior walls and ceilings shall not exceed that set forth in Table 8-B.

EXCEPTIONS:

1. Except in Group I Occupancies and in enclosed vertical exits, Class III may be used in other means of egress and rooms as wainscoting extending not more than 48 inches (1219 mm) above the floor and for tack and bulletin boards covering not more than 5 percent of the gross wall area of the room.
2. In other than Group I, Division 1.1, 1.2 or 2 suites complying with Section 1007.5, when a sprinkler system complying with UBC Standard 9-1 or 9-3 is provided, the flame-spread classification rating may be reduced one classification, but in no case shall materials having a classification greater than Class III be used.
3. The exposed faces of Type IV-H.T., structural members and Type IV-H.T., decking and planking, where otherwise permissible under this code, are excluded from flame-spread requirements.

NEW SECTION

WAC 51-40-0902 Section 902—Standards of quality.

Fire-extinguishing systems, including automatic sprinkler systems, Class I, Class II and Class III standpipe systems, special automatic extinguishing systems, basement pipe inlets, smoke-control systems, and smoke and heat vents shall be approved and shall be subject to such periodic tests as may be required.

The standards listed below labeled a "UBC Standard" are also listed in Chapter 35, Part II, and are part of this code. The other standards listed below are recognized standards (see Sections 3503 and 3504).

1. Fire-extinguishing system.

- 1.1 UBC Standard 9-1, Installation of Sprinkler Systems
- 1.2 UBC Standard 9-3, Installation of Sprinkler Systems in Group R Occupancies Four Stories or Less
- 1.3 NFPA Standard 13d, as published by the National Fire Protection Association, 1994 edition

2. Standpipe systems.

UBC Standard 9-2, Standpipe Systems

3. Smoke control.

- 3.1 UBC Standard 7-2, Fire Test of Door Assemblies
- 3.2 UL 555, Fire Dampers
- 3.3 UL 555C, Ceiling Dampers
- 3.4 UL 555S, Leakage Rated Dampers for Use in Smoke Control Systems
- 3.5 UL 33, Heat Response Links for Fire Protection Service
- 3.6 UL 353, Limit Controls

4. Smoke and heat vents.

UBC Standard 15-7, Automatic Smoke and Heat Vents

NEW SECTION

WAC 51-40-0904 Section 904—Fire-extinguishing systems.

904.1.2 Standards. Fire-extinguishing systems shall comply with UBC Standards 9-1 and 9-2.

EXCEPTIONS:

1. Automatic fire-extinguishing systems not covered by UBC Standard 9-1 or 9-2 shall be approved and installed in accordance with approved standards.
2. Automatic sprinkler systems may be connected to the domestic water-supply main when approved by the building official, provided the domestic water supply is of adequate pressure, capacity and sizing for the combined domestic and sprinkler requirements. In such case, the sprinkler system connection shall be made between the public water main or meter and the building shutoff valve, and there shall not be intervening valves or connections. The fire department connection may be omitted when approved by the fire department.
3. Automatic sprinkler systems in Group R Occupancies four stories or less may be in accordance with UBC Standard 9-3.
4. Sprinklers are not required at the top of noncombustible hoistways of passenger elevators whose car enclosure materials meet the requirements of ASME A17.1, Safety Code for Elevators and Escalators.

904.2.2 All occupancies except Group R, Division 3 and Group U Occupancies. Except for Group R, Division 3 and Group U Occupancies, an automatic sprinkler system shall be installed:

1. In every story or basement of all buildings when the floor area exceeds 1,500 square feet (139.4 m²) and there is not provided at least 20 square feet (1.86 m²) of opening entirely above the adjoining ground level in each 50 lineal feet (15 240 mm) or fraction thereof of exterior wall in the story or basement on at least one side of the building. Openings shall have a minimum dimension of not less than 30 inches (762 mm). Such openings shall be accessible to the fire department from the exterior and shall not be obstructed in a manner that fire fighting or rescue cannot be accomplished from the exterior.

When openings in a story are provided on only one side and the opposite wall of such story is more than 75 feet (22 860 mm) from such openings, the story shall be provided with an approved automatic sprinkler system, or openings as specified above shall be provided on at least two sides of an exterior wall of the story.

If any portion of a basement is located more than 75 feet (22 860 mm) from openings required in this section, the basement shall be provided with an approved automatic sprinkler system.

2. At the top of rubbish and linen chutes and in their terminal rooms. Chutes extending through three or more floors shall have additional sprinkler heads installed within such chutes at alternate floors. Sprinkler heads shall be accessible for servicing.

3. In rooms where nitrate film is stored or handled.

4. In protected combustible fiber storage vaults as defined in the Fire Code.

5. Throughout all buildings with a floor used for human occupancy that is located 75 feet (22 860 mm) or more above the lowest level of fire department vehicle access.

EXCEPTIONS:

1. Airport control towers.
2. Open parking structures.
3. Group F, Division 2 Occupancies.

904.2.4.1 General (Group E Occupancies). An automatic fire-extinguishing system shall be installed in all newly constructed buildings classified as Group E, Division 1 Occupancy. A minimum water supply meeting the requirements of UBC Standard 9-1 shall be required. The chief of the fire department may reduce fire flow requirements for buildings protected by an approved automatic sprinkler system.

For the purpose of this section, additions exceeding 60 percent of the value of such building or structure, or alterations and repairs to any portion of a building or structure within a twelve-month period that exceeds 100 percent of the value of such building or structure shall be considered new construction. In the case of additions, area separation walls shall define separate buildings.

EXCEPTION: Portable school classrooms, provided:

1. Aggregate area of clusters of portable school classrooms does not exceed 5,000 square feet (465 m²); and

2. Clusters of portable school classrooms shall be separated as required in Chapter 5.

When not required by other provisions of this chapter, a fire-extinguishing system installed in accordance with UBC Standard 9-1 may be used for increases and substitutions allowed in Sections 505, 506, and 508.

NEW SECTION

WAC 51-40-1000 Chapter 10—Means of egress.

NEW SECTION

WAC 51-40-1002 Definitions.

Smoke-Protected Assembly Seating is an assembly area wherein the roof is not less than 15 feet (4500 mm) above the highest cross aisle or seat row, and having smoke-actuated venting facilities within that part of the roof sufficient to maintain the level of smoke at least 6 feet (1830 mm) above the highest seat or walking level.

NEW SECTION

WAC 51-40-1003 General egress requirements.

1003.3.1.1 General (Doors). For the purposes of Section 1003.3.1, the term "exit door" shall mean all of those doors or doorways along the path of exit travel anywhere in a means of egress system.

Exit doors serving the means of egress system shall comply with the requirements of Section 1003.3.1. Where additional doors are installed for egress purposes, they shall conform to all requirements of this section. Buildings or structures used for human occupancy shall have at least one exterior exit door that meets the requirements of Section 1003.3.1.3. Section 1003.3.1.5 shall apply to all exit doors within an accessible route, regardless of occupant load.

Exit doors shall be readily distinguishable from the adjacent construction and shall be easily recognizable as exit doors. Mirrors or similar reflecting materials shall not be used on exit doors, and exit doors shall not be concealed by curtains, drapes, decorations and similar materials.

1003.3.1.2 Special Doors. Revolving, sliding and overhead doors serving an occupant load of 10 or more shall not be used as required exit doors. Where revolving or overhead doors or turnstiles are used, an adjacent accessible gate or door shall be provided where an accessible route is required by Chapter 11.

EXCEPTIONS:

1. Approved revolving doors having leaves that will collapse under opposing pressures may be used, provided
 - 1.1 Such doors have a minimum width of 6 feet 6 inches (1981 mm).
 - 1.2 At least one conforming exit door is located adjacent to each revolving door.
 - 1.3 The revolving door shall not be considered to provide any required width when computing means of egress width in accordance with Section 1003.2.3.
2. Horizontal sliding doors complying with UBC Standard 7-8 may be used
 - 2.1 In elevator lobby separations.
 - 2.2 In other than Groups A and H Occupancies, where smoke barriers are required.

2.3 In other than Group H Occupancies, where serving an occupant load of less than 50.

Power-operated doors complying with UBC Standard 10-1 may be used for egress purposes. Such doors, where swinging, shall have two guide rails installed on the swing side projecting out from the face of the door jambs for a distance not less than the widest door leaf. Guide rails shall not be less than 30 inches (762 mm) in height with solid or mesh panels to prevent penetration into door swing and shall be capable of resisting a horizontal load at top of rail of not less than 50 pounds per lineal foot (730 N/m).

EXCEPTIONS:

1. Walls or other types of separators may be used in lieu of the above guide rail, provided all the criteria are met.
2. Guide rails in industrial or commercial occupancies not accessible to the public may comply with the exception to Section 509.3.
3. Doors swinging toward flow of traffic shall not be permitted unless actuating devices start to function at least 8 feet 11 inches (2718 mm) beyond the door in an open position and guide rails extend 6 feet 5 inches (1956 mm) beyond the door in an open position.

Clearances for guide rails shall be as follows:

1. Six inches (152 mm) maximum between rails and leading edge of door at the closest point in its arc of travel.
2. Six inches (152 mm) maximum between rails and the door in an open position.
3. Two inches (51 mm) minimum between rail at hinge side and door in an open position.
4. Two inches (51 mm) maximum between freestanding rails and jamb or other adjacent surface.

1003.3.1.5 Swing and Opening Force. Exit doors serving an occupant load of 10 or more shall be of the pivoted, balanced or side-hinged swinging type. Exit doors shall swing in the direction of the path of exit travel where the area served has an occupant load of 50 or more. The door shall swing to the fully open position when an opening force not to exceed 30 pounds (133.45 N) is applied to the latch side. Within an accessible route, such force shall not exceed 8.5 pounds (37.8 N) at exterior doors; and shall not exceed 5 pounds (22.24 N) at sliding and folding doors and interior swinging doors. At exterior doors where environmental conditions require greater closing pressure, power-operated doors shall be used within the accessible route. For other door-opening forces, see Chapter 11 and Section 905.3. See Section 3207 for doors swinging over public property.

EXCEPTIONS:

1. Group I, Division 3 Occupancy used as a place of detention.
2. In other than accessible dwelling units, doors within or serving an individual dwelling unit.
3. Special door conforming with Section 1003.3.1.2.
4. The opening force at required fire doors within an accessible route may be not greater than 30 pounds (133.45 N).

A double-acting door shall be provided with a view panel of not less than 200 square inches (0.129 m²).

1003.3.1.6 Floor Level at Doors. Regardless of the occupant load served, there shall be a floor or a landing on each side of a door. Where access for persons with disabilities is required by Chapter 11, the floor or landing shall not

be more than 1/2 inch (13 mm) lower than the threshold of the doorway. Where such access is not required, the threshold shall not exceed 1 inch (25 mm). Landings shall be level except that exterior landings, may have a slope not to exceed 1/4 unit vertical in 12 units horizontal (2% slope).

EXCEPTIONS:

1. In Group R, Division 3, and Group U Occupancies and within individual units of Group R, Division 1 Occupancies:
 - 1.1. A door may open at the top of an interior flight of stairs, provided the door does not swing over the top step.
 - 1.2. A door may open at a landing which is not more than 8 inches (203 mm) lower than the floor level, provided the door does not swing over the landing.
 - 1.3. Screen doors and storm doors may swing over stairs, steps or landings.
2. Doors serving building equipment rooms which are not normally occupied.
3. At exterior sliding doors within accessible dwelling units, the floor or landing may be no more than 3/4 inch (19 mm) lower than the threshold of the doorway, including the sliding door tracks, provided that an additional accessible entrance door is provided into the dwelling unit.

1003.3.1.10 Special Egress-control Devices. When approved by the building official, exit doors in Group B; Group F; Group I, Divisions 1.1, 1.2 and 2; Group M, Group LC Occupancies, and Group S Occupancies may be equipped with approved listed special egress-control devices, provided the building is protected throughout by an approved automatic sprinkler system and an approved automatic smoke-detection system. Such devices shall conform to all of the following:

1. The egress-control device shall automatically deactivate upon activation of either the sprinkler system or the smoke-detection system.

2. The egress-control device shall automatically deactivate upon loss of electrical power to any one of the following:

2.1 The egress-control device itself.

2.2 The smoke-detection system.

2.3 Means of egress illumination as required by Section 1003.2.9.

3. The egress-control device shall be capable of being deactivated by a signal from a switch located in an approved location.

4. An irreversible process which will deactivate the egress-control device shall be initiated whenever a manual force of not more than 15 pounds (66.72 N) is applied for two seconds to the panic bar or other door-latching hardware. The egress-control device shall deactivate within an approved time period not to exceed a total of 15 seconds. The time delay established for each egress-control device shall not be field adjustable.

5. Actuation of the panic bar or other door-latching hardware shall activate an audible signal at the door.

6. The unlatching shall not require more than one operation.

A sign shall be provided on the door located above and within 12 inches (305 mm) of the panic bar or other door-latching hardware reading:

**KEEP PUSHING. THE DOOR WILL OPEN IN
SECONDS. ALARM WILL SOUND.**

Sign letter shall be at least 1 inch (25 mm) in height and shall have a stroke of not less than 1/8 inch (3.2 mm).

Regardless of the means of deactivation, relocking of the egress-control device shall be by manual means only at the door.

EXCEPTION: Subject to the approval of the building official, special units for the care of dementia patients in nursing homes which are identified and approved by the state agency licensing such units, may use special egress-control devices where a panic bar is not part of the egress-control mechanism.

1003.3.3.1 General (Stairways).

Every stairway having two or more risers serving any building or portion thereof shall conform to the requirements of Section 1003.3.3. For the purposes of Section 1003.3.3, the term "stairway" shall include stairs, landings, handrails and guardrails as applicable. Where aisles in assembly rooms have steps, they shall conform with the requirements in Section 1004.3.2.

For the purpose of this chapter, the term "step" shall mean those portions of the means of egress achieving a change in elevation by means of a single riser. Individual steps shall comply with the detailed requirements of this chapter which specify applicability to steps.

EXCEPTIONS:

1. Stairs or ladders used only to attend equipment or window wells are exempt from the requirements of this section.
2. Stairs or ladders within an individual dwelling unit used to gain access to areas of 200 square feet (18.6 m²) or less, and not containing the primary bathroom or kitchen, are exempt from the requirements of this section.

Stairways located in a building required to be accessible shall also comply with Chapter 11.

1003.3.3.3 Rise and Run. The rise of steps and stairs shall not be less than 4 inches (102 mm) nor more than 7-1/2 inches (190 mm). The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Except as permitted in Sections 1003.3.3.8.1, 1003.3.3.8.2 and 1003.3.3.8.3, the run shall not be less than 10 inches (254 mm), as measured horizontally between the vertical planes of the furthest projections of adjacent treads or nosings. Stair treads shall be of uniform size and shape, except the largest tread run within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

EXCEPTIONS:

1. Private steps and stairways serving an occupant load of less than 10 and stairways to unoccupied roofs may be constructed with an 8-inch-maximum (203 mm) rise and a 9-inch-minimum (229 mm) run.
2. Where the bottom or top riser adjoins a sloping public way, walk or driveway having an established grade and serving as a landing, the bottom or top riser may be reduced along the slope.

Where Exception 2 to Section 1103.2.2 is used in a building design, the run of stair treads shall not be less than 11 inches (279 mm), as measured horizontally between the vertical planes of the furthest projections of adjacent tread. The largest tread run within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

1003.3.3.6 Handrails. Stairways shall have handrails on each side, and every stairway required to be more than 88 inches (2235 mm) in width shall be provided with not less than one intermediate handrail for each 88 inches (2235 mm) of required width. Intermediate handrails shall be spaced approximately equally across the entire width of the stairway.

EXCEPTIONS:

1. Stairways less than 44 inches (1118 mm) in width or stairways serving one individual dwelling unit in Group R, Division 1 or 3 Occupancies or a Group R, Division 3 congregate residence may have one handrail. This exception shall not be used concurrently with the second exception to the first paragraph of Section 1103.2.2.
2. Private stairways 30 inches (762 mm) or less in height may have handrails on one side only. This exception shall not be used concurrently with the second exception to the first paragraph of Section 1103.2.2.
3. Stairways having less than four risers and serving one individual dwelling unit in Group R, Division 1 or 3, or a Group R, Division 3 congregate residence or Group U Occupancies need not have handrails.

The top of handrails and handrail extensions shall be placed not less than 34 inches (864 mm) or more than 38 inches (965 mm) above landings and the nosing of treads. Handrails shall be continuous the full length of the stairs and, except for private stairways, at least one handrail shall extend in the direction of the stair run not less than 12 inches (305 mm) beyond the top riser nor less than a length equal to one tread depth plus 12 inches (305 mm) beyond the bottom riser. Ends shall be returned or shall terminate in newel posts or safety terminals.

EXCEPTIONS:

1. Private stairways do not require handrail extensions.
2. Handrails may have starting newel posts within the first tread on stairways in Group R, Division 3 Occupancies and within individual dwelling units of Group R, Division 1 Occupancies.

The handgrip portion of handrails shall not be less than 1 1/4 inches (32 mm) nor more than 2 inches (51 mm) in cross-sectional dimension or the shape shall provide an equivalent gripping surface. The handgrip portion of handrails shall have a smooth surface with no sharp corners. Handrails projecting from a wall shall have a space of not less than 1 1/2 inches (38 mm) between the wall and the handrail.

1003.3.3.13 Stairway Identification. Stairway identification signs shall be located at each floor level in all enclosed stairways in buildings four or more stories in height. The sign shall identify the stairway, indicate whether or not there is roof access, the floor level, and the upper and lower terminus of the stairway. The sign shall be located approximately 5 feet (1524 mm) above the landing floor in a position that is readily visible when the door is in either the open or closed position. Signs shall comply with requirements of U.B.C. Standard 10-2. Each door to a floor level

also shall have a tactile sign, including raised letters and Braille, identifying the floor level and shall comply with Part II of Chapter 11.

1003.3.4.4 Landings (Ramps). Ramps having slopes steeper than 1 unit vertical in 15 units horizontal (6.7% slope) shall have landings at the top and bottom, and at least one intermediate landing shall be provided for each 5 feet (1524 mm) of vertical rise measured between the horizontal planes of adjacent landings. Landing shall have a dimension measured in the direction of ramp run of not less than 5 feet (1524 mm). Landings shall provide maneuvering clearances at doors as required in Chapter 11.

1003.3.4.5 Handrails (Ramps). Ramps having slopes steeper than 1 unit vertical in 15 units horizontal (6.7% slope) shall have handrails as required for stairways, except that intermediate handrails shall not be required. At least one handrail shall extend in the direction of ramp run not less than 12 inches (305 mm) horizontally beyond the top and bottom of the ramp runs. Ramped aisles serving fixed seating shall have handrails as required in Section 1004.3.2.

NEW SECTION

WAC 51-40-1004 The exit access.

1004.3.2.3.1 Width. The clear width of aisles shall be based on the number of fixed seats served by the aisle. The required width of aisles serving fixed seats shall not be used for any other purpose.

The clear width of an aisle in inches shall not be less than the occupant load served by the aisle multiplied by 0.3 for aisles with slopes greater than 1 unit vertical to 8 units horizontal (12.5% slope) and not less than 0.2 for aisles with a slope of 1 unit vertical to 8 units horizontal (12.5% slope) or less. In addition, when the rise of steps in aisles exceeds 7 inches (178 mm), the aisle clear width shall be increased by 1¼ inches (32 mm) for each 100 occupants or fraction thereof served for each ¼ inch (6.35 mm) of riser height above 7 inches (178 mm).

EXCEPTION: For buildings with smoke-protected assembly seating and for which an approved life-safety evaluation is conducted, the minimum clear width of aisles and other means of egress may be in accordance with Table 10-D. For Table 10-D, the number of seats specified must be within a single assembly area, and interpolation shall be permitted between the specified values shown. If Table 10-D is used the minimum clear widths shown shall be modified in accordance with the following:

1. Where risers exceed 7 inches (178 mm) in height, multiply the stairway width in the tables by factor A, where:

$$A = 1 + \frac{(\text{riser height} - 7.0 \text{ inches})}{5} \quad (4-1)$$

For SI:
$$A = 1 + \frac{(\text{riser height} - 178 \text{ mm})}{127}$$

- Where risers do not exceed 7 inches (178 mm) in height, A = 1.
2. Stairways not having a handrail within a 30-inch (762 mm) horizontal distance shall be 25 percent wider than

otherwise calculated, i.e., multiply by B = 1.25. For all other stairs, B = 1.

3. Ramps steeper than 1 unit vertical in 10 units horizontal (10% slope) where used in ascent shall have their width increased by 10 percent, i.e., multiply by C = 1.10. For ramps not steeper than 1 unit vertical in 10 units horizontal (10% slope), C = 1. Where fixed seats are arranged in rows, the clear width of aisles shall not be less than set forth above or less than the following minimum widths:

- 3.1 Forty-eight inches (1219 mm) for stairways having seating on both sides.
- 3.2 Thirty-six inches (914 mm) for stairways having seating on one side.
- 3.3 Twenty-three inches (584 mm) between a stairway handrail and seating where the aisles are subdivided by the handrail.
- 3.4 Forty-two inches (1067 mm) for level or ramped aisles having seating on both sides.
- 3.5 Thirty-six inches (914 mm) for level or ramped aisles having seating on one side.
- 3.6 Twenty-three inches (584 mm) between a stairway handrail and seating where an aisle does not serve more than five rows on one side.

Where exit access is possible in two directions, the width of such aisles shall be uniform throughout their length. Where aisles converge to form a single path of exit travel, the aisle width shall not be less than the combined required width of the converging aisles.

1004.3.2.5.2 Where required. Aisles with a slope steeper than 1 unit vertical in 8 units horizontal (12.5% slope) shall consist of a series of risers and treads extending across the entire width of the aisle, except as provided in Section 1004.3.2.6.

The height of risers shall not be more than 8 inches (203 mm) nor less than 4 inches (102 mm) and the tread run shall not be less than 11 inches (279 mm). The riser height shall be uniform within each flight and the tread run shall be uniform throughout the aisle. Variations in run or height between adjacent treads or risers shall not exceed 3/16 inch (4.8 mm).

EXCEPTION: Where the slope of aisle steps and the adjoining seating area is the same, the riser heights may be increased to a maximum of 9 inches (229 mm) and may be nonuniform, but only to the extent necessitated by changes in the slope of the adjoining seating area to maintain adequate sight lines. Variations may exceed 3/16 inch (4.8 mm) between adjacent risers, provided the exact location of such variations is identified with a marking stripe on each tread at the nosing or leading edge adjacent to the nonuniform riser. The marking stripe shall be distinctively different from the contrasting marking stripe.

A contrasting marking stripe or other approved marking shall be provided on each tread at the nosing or leading edge such that the location of each tread is readily apparent when viewed in descent. Such stripe shall be a minimum of 1 inch (25 mm) wide and a maximum of 2 inches (51 mm) wide.

EXCEPTION: The marking stripe may be omitted where tread surfaces are such that the location of each tread is readily apparent when viewed in descent.

1004.3.2.6 Ramp Slope. The slope of ramped aisles shall not be more than 1 unit vertical in 8 units horizontal (12.5% slope). Ramped aisles shall have a slip-resistant surface.

EXCEPTION: When provided with fixed seating, theaters may have a slope not steeper than 1 unit vertical in 5 units horizontal (20% slope).

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1004.3.4.5 Elevators. Elevators opening into a corridor shall be provided with an elevator lobby at each floor containing such a corridor. The lobby shall completely separate the elevators from the corridor by construction conforming to Section 1004.3.4.3.1 and all openings into the lobby wall contiguous with the corridor shall be protected as required by Section 1004.3.4.3.2.

EXCEPTIONS:

1. In office buildings, separations need not be provided from a street floor lobby, provided the entire street floor is protected with an automatic sprinkler system.
2. Elevators not required to meet the shaft enclosure requirements of Section 711.
3. When additional doors are provided in accordance with Section 3007.
4. Where elevator shafts are pressurized in accordance with Section 905, elevator lobbies need not be provided.

Elevator lobbies shall comply with Section 3002.

NEW SECTION

WAC 51-40-1007 Means of egress requirements based on occupancy.

1007.5.9.1 Suites

General. A group of rooms in a Group I, Division 1.1, Division 1.2 or Division 2 Occupancy may be considered a suite when it complies with the following:

1. **Size.** Suites of rooms, other than suites containing patient sleeping rooms, shall not exceed 10,000 square feet (928.5 m²) in area. Suites containing patient sleeping rooms shall not exceed 5,000 square feet (465 m²) in area.
2. **Occupancy separation.** Each suite of rooms shall be separated from the remainder of the building by not less than one-hour fire-resistive occupancy separation.
3. **Visual supervision.** Each patient sleeping room in the suite shall be located to permit direct visual supervision by the facility staff.
4. **Other exits.** Exiting for portions of the building outside of a suite shall not require passage through the suite.

NEW SECTION

WAC 51-40-1091 Table 10-A.

TABLE 10-A MINIMUM EGRESS REQUIREMENTS¹

USE ²	MINIMUM OF TWO MEANS OF EGRESS ARE REQUIRED WHERE NUMBER OF OCCUPANTS IS AT LEAST	OCCUPANT LOAD FACTOR ³ (square feet)
		x 0.0929 for m ²
1. Aircraft hangars (no repair)	10	500
2. Auction rooms	30	7
3. Assembly areas, concentrated use (without fixed seats) Auditoriums Churches and chapels Dance floors Lobby accessory to assembly occupancy Lodge rooms Reviewing stands Stadiums Waiting Area	50	7
4. Assembly areas, less-concentrated use Conference rooms Dining rooms Drinking establishments Exhibit rooms Gymnasiums Lounges Stages Gaming: keno, slot machine and live games area	50	15
5. Bowling alley (assume no occupant load for bowling lanes)	50	(see ft. note 4)
6. Children's homes and homes for the aged	6	80
7. Classrooms	50	20
8. Congregate residences (accommodating 10 or less persons and having an area of 3,000 square feet or less) Congregate residences (accommodating more than 10 persons or having an area of more than 3,000 square feet)	10	300
9. Courtrooms	50	40
10. Dormitories	10	50
11. Dwellings	10	300
12. Exercising rooms	50	50
13. Garage, parking	30	200
14. Health-care facilities -- Sleeping rooms Treatment rooms	8 10	120 240
15. Hotels and apartments	10	200
16. Kitchen--commercial	30	200
17. Laboratories (Group B) Instructional and teaching laboratories at schools, colleges and universities All other Group B laboratories	10 10	50 100
18. Library -- Reading rooms Stack areas	50 30	50 100
19. Locker rooms	30	50
20. Malls (see Chapter 4)	--	--
21. Manufacturing areas	30	200
22. Mechanical equipment room	30	300
23. Nurseries for children (day care)	7	35
24. Offices	30	100
25. School shops and vocational rooms	50	50
26. Skating rinks	50	50 on the skating area; 15 on the deck
27. Storage and stock rooms	30	300

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28. Stores—retail sales rooms		
Basements and ground floor	50	30
Upper floors	50	60
29. Swimming pools	50	50 for the pool area; 15 on the deck
30. Warehouses ⁵	30	500
31. All others	50	100

¹ Access to, and egress from, buildings for persons with disabilities shall be provided as specified in Chapter 11.

² For additional provisions on number of exits from Groups H and I Occupancies and from rooms containing fuel-fired equipment or cellulose nitrate, see Sections 1007.4, 1007.5 and 1007.7, respectively.

³ This table shall not be used to determine working space requirements per person.

⁴ Occupant load based on five persons for each alley, including 15 feet (4572 mm) of runway.

⁵ Occupant load for warehouses containing approved high rack storage systems designed for mechanical handling may be based on the floor area exclusive of the rack area rather than the gross floor area.

NEW SECTION

WAC 51-40-1100 Chapter 11—Accessibility.

PART I - GENERAL

NEW SECTION

WAC 51-40-1101 Section 1101—Scope.

1101.1 General. Buildings or portions of buildings shall be accessible to persons with disabilities as required by this chapter.

Chapter 11 has been amended to comply with the Federal Fair Housing Act (FFHA) Guidelines as published by the U.S. Department of Housing and Urban Development (March 1991) and the Americans With Disabilities Act (ADA) Guidelines as published by the U.S. Architectural and Transportation Barriers Compliance Board and Department of Justice (July 1991).

Reference is made to Appendix Chapter 11 for FFHA and ADA requirements not regulated by this chapter. See Section 101.3.

1101.2 Design. The design and construction of accessible building elements shall be in accordance with this chapter. For a building, structure or building element to be considered to be accessible, it shall be designed and constructed to the minimum provisions of this chapter.

1101.3 Maintenance of Facilities. Any building, facility, dwelling unit, or site which is constructed or altered to be accessible or adaptable under this chapter shall be maintained accessible and/or adaptable during its occupancy.

1101.4 Alternate Methods. The application of Section 104.2.8 to this chapter shall be limited to the extent that alternate methods of construction, designs, or technologies shall provide substantially equivalent or greater accessibility.

1101.5 Modifications. Where full compliance with this chapter is impractical due to unique characteristics of the terrain, the building official may grant modifications in accordance with Section 104.2.7, provided that any portion

of the building or structure that can be made accessible shall be made accessible to the greatest extent practical.

NEW SECTION

WAC 51-40-1102 Section 1102—Definitions.

Section 1102. For the purpose of this chapter certain terms are defined as follows:

ACCESSIBLE is approachable and usable by persons with disabilities.

ACCESS AISLE is an accessible pedestrian space between elements, such as parking spaces, seating, and desks, that provides clearances appropriate for use of the elements.

ACCESSIBLE EXIT is an exit, as defined in Section 1101.2, which complies with this chapter and does not contain stairs, steps, or escalators.

ACCESSIBLE ROUTE OF TRAVEL is a continuous unobstructed path connecting all accessible elements and spaces in an accessible building or facility that can be negotiated by a person using a wheelchair and that is usable by persons with other disabilities.

ALTERATION (See Section 1110).

ALTERATION, SUBSTANTIAL (See Section 1110).

AREA FOR EVACUATION ASSISTANCE is an accessible space which is protected from fire and smoke and which facilitates egress.

AUTOMATIC DOOR is a door equipped with a power-operated mechanism and controls that open and close the door automatically upon receipt of a momentary actuating signal. The switch that begins the automatic cycle may be a photoelectric device, floor mat, or manual switch (see also, Power-assisted Door).

CLEAR is unobstructed.

CLEAR FLOOR SPACE is unobstructed floor or ground space (see Section 1106.2).

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COMMON USE AREAS are rooms, spaces or elements inside or outside a building that are made available for use by occupants of and visitors to the building.

CROSS SLOPE is the slope that is perpendicular to the direction of travel.

CURB RAMP is a short ramp cutting through or built up to a curb.

DETECTABLE WARNING is a standardized surface feature built in or applied to walking surfaces or other elements to warn visually impaired persons of hazards on a circulation path.

DWELLING UNIT, TYPE A is an accessible dwelling unit that is designed and constructed in accordance with this chapter to provide greater accessibility than a Type B dwelling unit. (Type A dwelling units constructed in accordance with this Chapter also meet the design standards for Type B dwelling units.)

DWELLING UNIT, TYPE B is an accessible dwelling unit that is designed and constructed in accordance with this chapter. (Type B Dwelling Unit Standards are based on the U.S. Department of Housing and Urban Development (HUD) Federal Fair Housing Act Accessibility Guidelines.)

ELEMENT is an architectural or mechanical component of a building, facility, space, or site, such as telephones, curb ramps, doors, drinking fountains, seating, or water closets.

GROUND FLOOR is any occupiable floor less than one story above or below grade with direct access to grade. A building may have more than one ground floor.

LANDING is a level area (except as otherwise provided), within or at the terminus of a stair or ramp.

MARKED CROSSING is a crosswalk or other identified path intended for pedestrian use in crossing a vehicular way.

MULTISTORY DWELLING UNIT is a dwelling unit with finished living space located on one floor, and the floor or floors immediately above or below it.

PATH OF TRAVEL (See Section 1110).

PERSON WITH DISABILITY is an individual who has an impairment, including a mobility, sensory, or cognitive impairment, which results in a functional limitation in access to and use of a building or facility.

POWER-ASSISTED DOOR is a door used for human passage, with a mechanism that helps to open the door, or relieve the opening resistance of a door, upon the activation of a switch or a continued force applied to the door itself.

PRIMARY ENTRANCE is a principal entrance through which most people enter the building. A building may have more than one primary entrance.

PRIMARY ENTRANCE LEVEL is the floor or level of the building on which the primary entrance is located.

PRIMARY FUNCTION is a major function for which the facility is intended.

PUBLIC USE AREAS are those interior or exterior rooms or spaces which are made available to the general public. Public use may be provided at a privately or publicly owned building or facility.

RAMP is any walking surface having a running slope exceeding 1 unit vertical in 48 units horizontal.

SERVICE ENTRANCE is an entrance intended primarily for delivery of goods or services.

SINGLE-STORY DWELLING UNIT is a dwelling unit with all finished living spaces located on one floor.

SITE is a parcel of land bounded by a property line or a designated portion of a public right-of-way.

TACTILE is an object that can be perceived using the sense of touch.

TECHNICALLY INFEASIBLE (See Section 1110).

TEXT TELEPHONE is machinery or equipment that employs interactive graphic (e.g., typed) communications through the transmission of coded signals across the standard telephone network. Text telephones include telecommunications display devices or telecommunications devices for the deaf (TDD's), or computers.

VEHICULAR WAY is a route intended for vehicular traffic, such as a roadway, driveway, or parking lot, located on a site.

PART II - NEW CONSTRUCTION

NEW SECTION

WAC 51-40-1103 Section 1103—Building accessibility.

Section 1103.1 Where Required.

1103.1.1 General. Accessibility to temporary or permanent buildings or portions thereof shall be provided for all occupancy classifications except as modified by this chapter. See also Appendix Chapter 11.

EXCEPTIONS:

1. Floors or portions of floors not customarily occupied, including, but not limited to, elevator pits, observation galleries used primarily for security purposes, elevator penthouses, nonoccupiable spaces accessed only by ladders, catwalks, crawl spaces, narrow passageways, or freight elevators, piping and equipment catwalks and machinery, mechanical and electrical equipment rooms.

2. Temporary structures, sites and equipment directly associated with the construction process such as construction site trailers, scaffolding, bridging, or material hoists are not required to be accessible. This exception does not include walkways or pedestrian protection required by Chapter 30.

1103.1.2 Group A Occupancies.

1103.1.2.1 General. All Group A Occupancies shall be accessible as provided in this chapter.

EXCEPTION: In the assembly areas of dining and drinking establishments or religious facilities which are located in non-elevator buildings; where the area of mezzanine seating is not more than 25 percent of the total seating, an accessible means of vertical access to the mezzanine is not required, provided that the same services are provided in an accessible space which is not restricted to use only by persons

with disabilities. Comparable facilities shall be available in all seating areas.

In banquet rooms or spaces where the head table or speaker's lectern is located on a permanent raised platform, the platform shall be accessible in compliance with Section 1106. Open edges on the raised platform shall be protected by a curb with a height of not less than 2 inches (51 mm).

Stadiums, theaters, auditoriums and similar occupancies shall provide wheelchair spaces in accordance with Table No. 11-A.

Wheelchair spaces shall be accessible and shall be located in places with unobstructed sight lines. Wheelchair spaces shall be reasonably distributed throughout the seating plan and located on an accessible route of travel. At least one companion fixed seat shall be provided next to each wheelchair space. Removable seats shall be permitted in the wheelchair spaces.

In addition, one percent, but not less than one, of all fixed seats shall be aisle seats with no armrests, or shall have removable or folding armrests on the aisle side. Each such seat shall be identified by a sign complying with Section 1106.16.1.1.

An accessible route of travel shall connect wheelchair seating locations with performance areas, including stages, arena floors, dressing rooms, locker rooms, and other spaces used by performers.

1103.1.2.2 Assistive listening devices. Assistive listening systems complying with Section 1106.21.2 shall be installed in assembly areas where audible communications are integral to the use of the space including stadiums, theaters, auditoriums, lecture halls, and similar areas; where fixed seats are provided, as follows:

1. Areas with an occupant load of 50 or more.
2. Areas where an audio-amplification system is installed.

Receivers for assistive listening systems shall be provided at a rate of 4 percent of the total number of seats, but in no case fewer than two receivers. In other assembly areas, where permanently installed assistive listening systems are not provided, electrical outlets shall be provided at a rate of not less than 4 percent of the total occupant load.

Signage complying with Section 1106.16.1.3 shall be installed to notify patrons of the availability of the listening system.

1103.1.3 Group B, F, M and S Occupancies. All Group B, F, M and S Occupancies shall be accessible as provided in this chapter. Assembly spaces in Group B, F, M and S Occupancies shall comply with Section 1103.1.2.2.

1103.1.4 Group E Occupancies. All Group E Occupancies shall be accessible as provided in this chapter. Assembly spaces in Group E Occupancies shall comply with Section 1103.1.2.2.

1103.1.5 Group H Occupancies. All Group H Occupancies shall be accessible as provided in this chapter.

1103.1.6 Group I Occupancies. All Group I Occupancies shall be accessible in all public use, common use, and

employee use areas, and shall have accessible patient rooms, cells, and treatment or examination rooms as follows:

1. In Group I, Division 1.1 patient care units within hospitals which specialize in treating conditions that affect mobility, all patient rooms in each nursing unit including associated toilet rooms and bathrooms.

2. In Group I, Division 1.1 patient care units within hospitals which do not specialize in treating conditions that affect mobility, at least 1 in every 10 patient rooms in each nursing unit, including associated toilet rooms and bathrooms.

3. In Group I, Division 1.1 and Division 2 nursing homes and long-term care facilities, at least 1 in every 2 patient rooms, including associated toilet rooms and bathrooms.

4. In Group I, Division 3 mental health occupancies, at least 1 in every 10 patient rooms, including associated toilet rooms and bathrooms.

5. In Group I, Division 3 jail, prison and similar occupancies, at least 1 in every 100 rooms or cells, including associated toilet rooms and bathrooms.

6. In Group I Occupancies, all treatment and examination rooms shall be accessible.

In Group I Division 1.1 and 2 Occupancies, at least one accessible entrance that complies with Section 1103.2 shall be under shelter. Every such entrance shall include a passenger loading zone which complies with Section 1108.2.

1103.1.7 Group U Occupancies. Group U, Division 1 Occupancies shall be accessible as follows:

1. Private garages and carports which contain accessible parking serving Type A dwelling units, accessible hotel and lodging rooms and congregate residences.

2. In Group U, Division 1 agricultural buildings, access need only be provided to paved work areas and areas open to the general public.

1103.1.8 Group R Occupancies.

1103.1.8.1 General. All Group R Occupancies shall be accessible as provided in this chapter. Public- and common-use areas and facilities such as recreational facilities, laundry facilities, garbage and recycling collection areas, mailbox locations, lobbies, foyers, and management offices shall be accessible.

EXCEPTION: Common- or public-use facilities accessory to buildings not required to contain either Type A or Type B dwelling units in accordance with Section 1103.1.8.2.

1103.1.8.2 Number of dwelling units. In all Group R, Division 1 apartment buildings the total number of Type A dwelling units shall be as required by Table No. 11-B. All other dwelling units shall be designed and constructed to the requirements for Type B units as defined in this chapter.

EXCEPTIONS:

1. Group R Occupancies containing no more than three dwelling units need not be accessible.

2. Dwelling units in Group R, Division 1 apartment buildings which are located on floors other than the ground floor where no elevator is provided within the

building need not comply with standards for Type B dwelling units; provided:

- 2.1. Where the ground floor is not a Group R Occupancy, the first level of Group R Occupancy, including dwelling units, shall be accessible; and
- 2.2. The number of Type A dwelling units provided shall not be reduced below the number required by Table No. 11-B. See also Section 1105.3.1.
3. Dwelling units with two or more stories in a non-elevator building need not comply with standards for Type B dwelling units.
4. For sites where multiple, non-elevator buildings are planned for a single site and where portions of the site have grades prior to development which exceed 10 percent, the building official may approve the following modifications:
 - 4.1. Number of Dwelling Units:
 - 4.1.1. The number of Type B dwelling units provided may be reduced to a percentage of the ground floor units which is equal to the percentage of the entire site having grades prior to development which are 10 percent or less; but in no case shall the number of Type B dwelling units be less than 20 percent of the ground floor dwelling units on the entire site; and
 - 4.1.2. The number of Type A dwelling units provided shall not be reduced below the number required by Table No. 11-B; and
 - 4.2. Both Type A and B dwelling units may be located in the building or buildings located on the portion of the site where the grade prior to development has slopes of 10 percent or less; and
 - 4.3. Common-use facilities accessory to buildings not required to contain either Type A or B dwelling units in accordance with Item 4.1.1, above, need not be accessible unless there are no other similar facilities provided on the site.

See also Appendix Chapter 11, Division I.

1103.1.8.3 Hotels and lodging houses. In all hotels and lodging houses, accessible guest rooms, including associated bathing, shower, and toilet facilities, shall be provided in accordance with Table 11-C. In addition, sleeping rooms or suites for persons with hearing impairments shall be provided in accordance with Table 11-D. In addition, public- and common-use areas of all hotels and lodging houses shall be accessible.

EXCEPTION: Group R, Division 3 lodging houses that are occupied by the owner or proprietor of the lodging house.

Required sleeping rooms for persons with hearing impairments shall have visible alarms complying with Section 1106.15. Such rooms shall have installed telephones complying with Section 1106.14.3, and an electrical outlet installed within 48 inches (1220 mm) of the telephone connection. Such rooms shall have devices separate from the visible alarm system which provide visible notification of incoming telephone calls and door bell actuation.

Where provided in accessible guest rooms the following facilities shall be accessible: dining areas; kitchens; kitchenettes; wet bars; patios; balconies; terraces; or similar facilities.

1103.1.8.4 Proportional distribution. Accessible dwelling units shall be apportioned among efficiency dwelling units, single bedroom units and multiple bedroom units, in proportion to the numbers of such units in the building. Accessible hotel guest rooms shall be apportioned among the various classes of sleeping accommodations.

1103.1.8.5 Congregate residences. In congregate residences with multi-bed rooms or spaces, a percentage equal to the minimum number of accessible rooms required by Table No. 11-C shall be accessible in accordance with Section 1106.26.

EXCEPTION: Congregate residences with 10 or fewer occupants need not be accessible.

1103.1.9 Other parking facilities. Principal use parking facilities which are not accessory to the use of any building or structure shall provide accessible spaces in accordance with Table No. 11-F.

1103.2 Design and Construction.

1103.2.1 General. When accessibility is required by this chapter, it shall be designed and constructed in accordance with this chapter.

1103.2.2 Accessible route of travel. When a building, or portion of a building, is required to be accessible, an accessible route of travel shall be provided to all portions of the building, to accessible building entrances, and connecting the building and the public way. The accessible route of travel to areas of primary function may serve but shall not pass through kitchens, storage rooms, toilet rooms, bathrooms, closets, or other similar spaces.

EXCEPTIONS:

1. A single accessible route shall be permitted to pass through a kitchen or storage room in an accessible dwelling unit.
2. An accessible route of travel need not be provided between floor levels, provided that:
 - All floor levels in the building contain less than 3,000 square feet (278.7 m²) each; or
 - Where only two floor levels are provided, either floor is less than 3,000 square feet (278.7 m²).
 This exception shall not apply to:
 - 2.1. The offices of health care providers; or,
 - 2.2. Transportation facilities and airports; or,
 - 2.3. Buildings owned or leased by government agencies; or
 - 2.4. Multi-tenant Group M retail and wholesale occupancies of five tenant spaces or more.
3. For sites where natural terrain or other unusual property characteristics do not allow the provisions of an accessible route of travel from the public way to the building, the point of vehicular debarkation may be substituted for the accessible entrance to the site.
4. In a one story building without a basement, an accessible route of travel need not be provided to mezzanine floors containing less than 3,000 square feet. (For Group R, Division 1 occupancies, see Section 1105.3.1.)

Accessible routes of travel serving any accessible space or element shall also serve as a means of egress for emergencies or connect to an area of evacuation assistance.

Where more than one building or facility is located on a site, accessible routes of travel shall connect accessible buildings and accessible site facilities. The accessible route of travel shall be the most practical direct route connecting accessible building entrances, accessible site facilities and the accessible site entrances.

1103.2.3 Primary entrance access. At least 50% of all public entrances, or a number equal to the number of exits required by Section 1004.2.3, whichever is greater, shall be accessible. One of the accessible public entrances shall be the primary entrance to a building. At least one accessible

entrance must be a ground floor entrance. Public entrances do not include loading or service entrances.

EXCEPTION: In Group R, Division 1 apartment buildings only the primary entrance need be accessible, provided that the primary entrance provides an accessible route of travel to all dwelling units required to be accessible.

Where a building is designed not to have common or primary entrances, the primary entrance to each individual dwelling unit required to be accessible, and each individual tenant space, shall be accessible.

1103.2.4 Signs.

1103.2.4.1 International Symbol of Access. The following elements and spaces of accessible facilities shall be identified by the International Symbol of Access:

1. Accessible parking spaces.
2. Accessible entrance when not all entrances are accessible (inaccessible entrances shall have directional signage to indicate the route to the nearest accessible entrance).

EXCEPTION: Individual entrances into dwelling units.

3. Accessible passenger loading zone(s).
4. Accessible toilet and bathing facilities when not all are accessible.

EXCEPTION: Toilet and bathing facilities within dwelling units, patient rooms and guest rooms.

At every major junction along or leading to an exterior accessible route of travel, there shall be a sign displaying the International Symbol of Access. Signage shall indicate the direction to accessible entrance and facilities.

See also Sections 1103.1.2.1, 1104.2.5 and 1106.24.3.

1103.2.4.2 Other signs. Where provided, signs which identify permanent rooms and spaces shall comply with Sections 1106.16.2, 1106.16.3 and 1106.16.5. Where provided, other signs which provide direction to or information about the building or portion of a building shall comply with Sections 1106.16.3 and 1106.16.4.

EXCEPTION: Building directories and all temporary signs.

In hotels and lodging houses, a list of accessible guest rooms shall be posted permanently in a location not visible to the general public, for staff use at each reception or check-in desk.

In assembly areas, a sign notifying the general public of the availability of accessible seating and assistive listening systems shall be provided at ticket offices or similar locations.

NEW SECTION

WAC 51-40-1104 Section 1104—Egress and areas of evacuation assistance.

Section 1104.1 General. In buildings or portions of buildings required to be accessible, accessible means of egress shall be provided in the same number as required for exits by Chapter 10. When an exit required by Chapter 10 is not accessible, an area for evacuation assistance shall be provided.

EXCEPTION: Areas of evacuation assistance are not required in buildings where an approved, automatic fire-extinguishing system is installed in accordance with U.B.C. Standard No. 9-1, provided that quick-response sprinkler heads are used where allowed by the standard; and that a written fire- and life-safety emergency plan, which specifically addresses the evacuation of persons with disabilities, is approved by the building official and the fire chief.

Every area for evacuation assistance shall comply with the requirements of this code and shall adjoin an accessible route of travel which shall comply with Section 1106.

1104.2 Areas for Evacuation Assistance.

1104.2.1 Location and construction. An area for evacuation assistance shall be one of the following:

1. A portion of a landing within a smokeproof enclosure, complying with Section 1005.3.3.

2. A portion of an exterior exit balcony, located immediately adjacent to an exit stairway, when the exterior exit balcony complies with Section 1006.3.2. Openings to the interior of the building located within 20 feet (6096 mm) of the area for evacuation assistance shall be protected with fire assemblies having a three-fourths-hour fire-protection rating.

3. A portion of a one-hour fire-resistive corridor complying with Sections 1004.3.4.3, 1004.3.4.3.1 and 1004.3.4.3.2 located immediately adjacent to an exit enclosure.

4. A vestibule located immediately adjacent to an exit enclosure and constructed to the same fire-resistive standards as required by Section 1004.3.4.3, 1004.3.4.3.1 and 1004.3.4.3.2.

5. A portion of a stairway landing within an exit enclosure which is vented to the exterior and is separated from the interior of the building by not less than one-hour fire-resistive door assemblies.

6. When approved by the building official, an area or room which is separated from other portions of the building by a smoke barrier. Smoke barriers shall have a fire-resistive rating of not less than one hour and shall completely enclose the area or room. Doors in the smoke barrier shall be tight-fitting smoke- and draft-control assemblies having a fire-protection rating of not less than 20 minutes and shall be self-closing or automatic closing. The area or room shall be provided with an exit directly to an exit enclosure. When the room or area exits into an exit enclosure which is required to be of more than one-hour fire-resistive construction, the room or area shall have the same fire-resistive construction, including the same opening protection, as required for the adjacent exit enclosure.

7. An elevator lobby complying with Section 1104.4.

1104.2.2 Size. Each area for evacuation assistance shall provide at least two wheelchair spaces not smaller than 30 inches by 48 inches (760 mm by 1220 mm) for each space. The area for evacuation assistance shall not encroach on any required exit width. The total number of such wheelchair spaces per story shall not be less than 1 for every 200 persons of calculated occupant load served by the area for evacuation assistance.

EXCEPTION: The building official may reduce the minimum number of 30-inch (760 mm) by 48-inch (1220 mm) areas to one for each area for evacuation assistance on floors where the occupant load is less than 200.

1104.2.3 Stairway width. Each stairway adjacent to an area for evacuation assistance shall have a minimum clear width of 48 inches (1220 mm) between handrails.

1104.2.4 Two-way communication. A telephone with controlled access to a public telephone system or another method of two-way communication shall be provided between each area for evacuation assistance and the primary entrance. The telephone or other two-way communication system shall be located with the reach ranges specified in Section 1106.2.4. The fire department may approve location other than the primary entrance. The communication system shall not require voice communication.

1104.2.5 Identification. Each area for evacuation assistance shall be identified by a sign which states: **AREA FOR EVACUATION ASSISTANCE** and the International Symbol of Access. The sign shall be illuminated when exit sign illumination is required. The sign shall comply with Sections 1003.2.8.4 and 1003.2.8.5. In each area for evacuation assistance, instructions on the use of the area under emergency conditions shall be posted adjoining the two-way communication system.

1104.3 Accessible Exits. All exterior exits which are located adjacent to accessible areas and within 6 inches (152 mm) of grade shall be accessible.

1104.4 Area for Evacuation Assistance, High-Rise Alternative. Within a building of any height or occupancy, constructed in accordance with the requirements of Section 403, an area for evacuation assistance may be located in the elevator lobby, or adjacent to the elevator where no lobby is required, when:

1. The area for evacuation assistance complies with the requirements for size, two-way communication and identification as specified in Section 1104.2; and,

2. Elevator shafts are pressurized as required for smokeproof enclosures in Section 1005.3.3. Such pressurization system shall be activated by smoke detectors on each floor located in a manner approved by the building official. Pressurization equipment and its ductwork within the building shall be separated from other portions of the building by a minimum of two-hour fire-resistive construction.

3. The manager of the building has established and maintains a written fire- and life-safety emergency plan which, in addition to other provisions, shall specifically address the evacuation of persons with disabilities. Such plan shall be approved by the building official and the fire chief.

NEW SECTION

WAC 51-40-1105 Section 1105—Facility accessibility.

Section 1105.1 General. Where buildings are required to be accessible, building facilities shall be accessible to persons with disabilities as provided in this section. For

Group R, Division 1 apartment buildings, where specific floors of a building are required to be accessible, the requirements shall apply only to the facilities located on accessible floors.

All building facilities or elements required by this section to be accessible shall be designed and constructed in accordance with Section 1106.

1105.2 Bathing and Toilet Facilities.

1105.2.1 Bathing facilities. When bathing facilities are provided, at least 2 percent, but not less than 1, bathtub or shower shall be accessible. In dwelling units where a separate bathtub and shower are provided in the same room, at least one shall be accessible.

1105.2.2 Toilet facilities. Toilet facilities located within accessible dwelling units, guest rooms, and congregate residences shall comply with Sections 1106.11 and 1106.27.

EXCEPTION: Within accessible dwelling units, only one toilet facility need be accessible.

In each toilet facility in other occupancies, at least one wheelchair accessible toilet stall with an accessible water closet shall be provided. In addition, when there are 6 or more water closets within a toilet facility, at least one ambulatory accessible toilet stall complying with Section 1106.11.4 shall also be installed.

Where urinals are provided, at least one urinal shall be accessible.

1105.2.3 Lavatories, mirrors and towel fixtures. At least one accessible lavatory shall be provided within any toilet facility. Where mirrors, towel fixtures and other toilet and bathroom accessories are provided, at least one of each shall be accessible.

1105.2.4 Adaptable fixtures in dwelling units. See Section 1106.27.2 for adaptable fixtures in dwelling units.

1105.3 Elevators, Platform Lifts and Stairways.

1105.3.1 Elevators.

1105.3.1.1 Where required. In multi-story buildings or portions thereof required to be accessible by Section 1103, at least one elevator shall serve each level, including mezzanines. Other than within an individual dwelling unit, where an elevator is provided but not required, it shall be accessible.

EXCEPTIONS:

1. In Group R, Division 1 apartment occupancies, an elevator is not required where accessible dwelling units and guest rooms are accessible by ramp or by grade level route of travel.

2. In a building of fewer than three stories, an elevator is not required where ramps, grade-level entrances or accessible horizontal exits from an adjacent building, are provided to each floor.

3. In multi-story parking garages, an elevator is not required where an accessible route of travel is provided from accessible parking spaces on levels with accessible horizontal connections to the primary building served.

4. In Group R, Division 1 hotels and lodging houses, less than 3 stories in height, an elevator is not required, provided that all accessible guest rooms are located on the ground floor.

1105.3.1.2 Design. All elevators shall be accessible.

EXCEPTIONS:

1. Private elevators serving only one dwelling unit.
2. Where more than one elevator is provided in the building, elevators used exclusively for movement of freight.

Elevators required to be accessible shall be designed and constructed to comply with Chapter 296-81 of the Washington Administrative Code.

1105.3.2 Platform lifts. Platform lifts may be used in lieu of an elevator under one of the following conditions subject to approval by the building official:

1. To provide an accessible route of travel to a performing area in a Group A Occupancy; or,
2. To provide unobstructed sight lines and distribution for wheelchair viewing positions in Group A Occupancies; or
3. To provide access to spaces with an occupant load of less than 5 that are not open to the public; or,
4. To provide access where existing site or other constraints make use of a ramp or elevator infeasible.

All platform lifts used in lieu of an elevator shall be capable of independent operation and shall comply with Chapter 296-81 of the Washington Administrative Code.

1105.3.3 Stairways. Stairways shall comply with Section 1106.9.

1105.4 Other Building Facilities.

1105.4.1 Water fountains. On any floor where water fountains are provided, at least 50 percent, but in no case less than one fountain, shall be accessible complying with Section 1106.13 and at least one fountain shall be mounted at a standard height.

1105.4.2 Telephones. On any floor where public telephones are provided at least one telephone shall be accessible. On any floor where 2 or more banks of multiple telephones are provided, at least one telephone in each bank shall be accessible and at least one telephone per floor shall be designed to allow forward reach complying with Section 1106.2.4.5.

Where any bank of public telephones consists of 3 or more telephones, at least one telephone in each bank shall be equipped with a shelf and electrical outlet complying with Section 1106.14.7.

All accessible telephones and at least 25 percent of all other public telephones, but in no case less than one, shall be provided with volume controls in accordance with Section 1106.14.3 and shall be dispersed among the public telephones provided in the building.

Where four or more public telephones are provided at a building site, and at least one is in an interior location, at least one interior telephone shall be a text telephone in accordance with Section 1106.14.

Where interior public pay phones are provided in transportation facilities; assembly and similar areas including stadiums and arenas; convention centers; hotels with convention facilities; or covered malls; or in or adjacent to hospital

emergency, recovery, or waiting rooms; at least one interior text telephone shall be provided.

1105.4.3 Kitchens. Kitchens within accessible dwelling units shall be designed in accordance with Sections 1106.12 and 1106.27.

EXCEPTION: Kitchens in Type B dwelling units need not comply with Section 1106.12.1 (See Section 1106.27.1).

Kitchens, kitchenettes, or wet bars in other than dwelling units, which are provided accessory to a sleeping room, guest room, or suite, shall be designed in accordance with Section 1106. Countertops and sinks shall be no more than 34 inches (865 mm) above the finished floor. At least 50 percent of shelf space in cabinets and appliances shall be within the reach ranges of Section 1106.2.4.

1105.4.4 Recreation facilities. Where common- or public-use recreational facilities, swimming pools, hot tubs, spas, and similar facilities are provided, they shall be accessible. Swimming pools shall be accessible by transfer tier, hydraulic chair, ramp, or other means. Hot tubs and spas need be accessible only to the edge of the facility.

EXCEPTION: For Group R, Division 1 apartment occupancies, common- or public-use facilities accessory to buildings not required to contain either Type A or Type B dwelling units in accordance with Section 1103.1.8.2.

1105.4.5 Fixed or built-in seating or tables. Where fixed or built-in seating or tables are provided, at least 5 percent, but no fewer than one, shall be accessible. Accessible fixed or built-in seating or tables shall comply with Section 1106.19. In eating and drinking establishments, such seating or tables shall be distributed throughout the facility.

1105.4.6 Storage facilities. In other than Group R, Division 1 apartment buildings, where fixed or built-in storage facilities such as cabinets, shelves, closets, and drawers are provided in accessible spaces, at least one of each type provided shall contain storage space complying with Section 1106.18.

1105.4.7 Customer service facilities.

1105.4.7.1 Dressing and fitting rooms. Where dressing or fitting rooms are provided for use by the general public, patients, customers or employees, 5 percent, but not less than one, in each group of rooms serving distinct and different functions shall be accessible in accordance with Section 1106.24.

1105.4.7.2 Counters and windows. Where customer sales and service counters or windows are provided, a portion of the counter, or at least one window, shall be accessible in accordance with Section 1106.24.2.

1105.4.7.3 Shelving and display. Self-service shelves or display units in retail occupancies shall be located on an accessible route of travel in accordance with Section 1103.2.2. Not all self-service shelves and display units need be located within reach ranges required by Section 1106.2.4.

1105.4.7.4 Check-out aisles. Accessible check-out aisles shall be installed in accordance with Table No. 11-E and Section 1106.24.3.

1105.4.7.5 Food service lines. Where self-service shelves are provided in dining and drinking establishments, at least

50 percent of each type shall comply with Sections 1106.2 and 1106.22.

1105.4.8 Controls, operating mechanisms, and hardware. Controls, operating mechanisms, and hardware, including; switches that control lighting, ventilation or electrical outlets; in accessible spaces, along accessible routes or as parts of accessible elements, shall comply with Section 1106.3.

1105.4.9 Alarms. Where provided, alarm systems shall include both audible and visible alarms. Visible alarm devices shall be located in all assembly areas; common-use areas, including toilet rooms and bathing facilities; hallways and lobbies; and hotel guest rooms as required by Section 1103.1.8.3.

EXCEPTIONS:

1. Alarm systems in Group I, Division I.1 and 2 Occupancies may be modified to suit standard health care design practice.
2. Visible alarms are not required in Group R, Division 1 apartment buildings.

NEW SECTION

WAC 51-40-1106 Section 1106—Accessible design and standards.

Section 1106.1 General. Where accessibility is required by this chapter, buildings and facilities shall be designed and constructed in accordance with this section, unless otherwise specified in this chapter.

1106.2 Space Allowance and Reach Ranges.

1106.2.1 Wheelchair passage width. The minimum clear width for single wheelchair passage shall be 36 inches (915 mm). The minimum width for two wheelchairs to pass is 60 inches (1525 mm).

EXCEPTION: The minimum width for single wheelchair passage may be 32 inches (815 mm) for a maximum distance of 24 inches (610 mm).

1106.2.2 Wheelchair turning spaces. Wheelchair turning spaces shall be designed and constructed to satisfy one of the following requirements:

1. A turning space not less than 60 inches (1525 mm) in diameter; or,
2. A turning space at T-shaped intersections or within a room, where the minimum width is not less than 36 inches (915 mm). Each segment of the T shall be clear of obstructions not less than 24 inches (610 mm) in each direction.

Wheelchair turning space may include knee and toe clearance in accordance with Section 1106.2.4.3.

1106.2.3 Unobstructed floor space. A floor space, including the vertical space above such floor space, which is free of any physical obstruction including door swings, to a height of 29 inches (737 mm). Where a pair of doors occurs, the swing of the inactive leaf may be considered to be unobstructed floor space. Unobstructed floor space may include toe spaces that are a minimum of 9 inches (230 mm) in height and not more than 6 inches (152 mm) in depth.

1106.2.4 Clear floor or ground spaces and maneuvering clearance space for wheelchairs.

1106.2.4.1 Size. The minimum clear floor or ground space required to accommodate a single, stationary wheelchair occupant shall be not less than 30 inches (760 mm) by 48 inches (1220 mm).

1106.2.4.2 Approach. Wheelchair spaces shall be designed to allow for forward or parallel approach to an accessible feature.

1106.2.4.3 Knee and toe clearances. Spaces under obstructions, work surfaces or fixtures may be included in the clear floor or ground space provided that they are at least 30 inches (760 mm) in width, a minimum of 27 inches (685 mm) in height, and not greater than 25 inches (635 mm) in depth. Toe spaces under obstructions, work surfaces or fixtures which comply with the requirements for unobstructed floor space may be included in the clear floor or ground space.

1106.2.4.4 Approach to wheelchair spaces. One full unobstructed side of the clear floor or ground space for a wheelchair shall adjoin or overlap an accessible route of travel, or shall adjoin another wheelchair clear space. Clear space located in an alcove or otherwise confined on all or part of three sides shall be not less than 36 inches (915 mm) in width where forward approach is provided, or 60 inches (1525 mm) in width where parallel approach is provided.

1106.2.4.5 Forward reach. Where the clear floor space allows only forward approach to an object, the maximum forward reach allowed shall not be higher than 48 inches (1220 mm). Reach obstructions 20 inches (510 mm) or less in depth may project into the clear space provided that knee clearance is maintained in accordance with Section 1106.2.4.3. Reach obstructions greater than 20 inches (510 mm) in depth may project into the clear space provided that the reach obstruction shall not exceed 25 inches (635 mm) in depth and the maximum forward reach shall not exceed 44 inches (1118 mm) in height. The minimum low forward reach shall not be lower than 15 inches (380 mm).

1106.2.4.6 Side reach. Where the clear floor space allows parallel approach by a person in a wheelchair, the maximum high side reach allowed shall not be higher than 54 inches (1370 mm). Obstructions no greater than 34 inches (865 mm) in height and no more than 24 inches (610 mm) in depth may be located in the side reach area provided that when such obstructions are present, the side reach shall not exceed 46 inches (1170 mm) in height. The minimum low side reach shall not be lower than 9 inches (230 mm).

1106.3 Controls and Hardware.

1106.3.1 Operation. Handles, pulls, latches, locks, and other operating devices on doors, windows, cabinets, plumbing fixtures, and storage facilities, shall have a lever or other shape which will permit operation by wrist or arm pressure and which does not require tight grasping, pinching or twisting to operate. Doors shall comply with Section 1003.3.1.5.

The force to activate controls on lavatories and water fountains and flush valves on water closets and urinals shall not be greater than 5 pounds (22.2 N).

1106.3.2 Mounting heights. The highest operable part of environmental and other controls, dispensers, receptacles, and other operable equipment shall be within at least one of the reach ranges specified in Section 1106.2.4, and not less than 36 inches (915 mm) above the floor. Electrical and communications system receptacles on walls shall be mounted a minimum of 15 inches (380 mm) above the floor. Door hardware shall be mounted at not less than 36 inches (915 mm) and not more than 48 inches (1220 mm) above the floor.

1106.3.3 Clear floor space. Clear floor space that allows a forward or a side approach shall be provided at all controls or hardware.

1106.4 Accessible Route of Travel.

1106.4.1 Width. The minimum clear width of an accessible route of travel shall be 36 inches (915 mm) except at doors (see Section 1106.10.2). Where an accessible route includes a 180 degree turn around an obstruction which is less than 48 inches (1220 mm) in width, the clear width of the accessible route of travel around the obstruction shall be 42 inches (1065 mm) minimum. For exterior accessible routes of travel, the minimum clear width shall be 44 inches (1118 mm).

EXCEPTION: The minimum width for single wheelchair passage may be 32 inches (815 mm) for a maximum distance of 24 inches (610 mm).

Where an accessible route of travel is less than 60 inches (1525 mm) in width, passing spaces at least 60 inches (1525 mm) by 60 inches (1525 mm) shall be located at intervals not to exceed 200 feet (61 m). A T-shaped intersection of two corridors or walks may be used as a passing space.

1106.4.2 Height. Accessible routes shall have a clear height of not less than 79 inches (2007 mm). Where the vertical clearance of an area adjoining an accessible route of travel is less than 79 inches (2007 mm) but more than 27 inches (685 mm), a continuous permanent barrier shall be installed to prevent traffic into such areas of reduced clearance.

1106.4.3 Slope. An accessible route of travel shall have a running slope not greater than 1 vertical in 12 horizontal. An accessible route of travel with a running slope greater than 1 vertical in 20 horizontal shall comply with Section 1106.8. Cross slopes of an accessible route of travel shall not exceed 1 vertical in 48 horizontal.

1106.4.4 Changes in level. Changes in level along an accessible route of travel shall comply with Section 1106.6. Stairs or escalators shall not be part of an accessible route of travel. Any raised area within an accessible route of travel shall be cut through to maintain a level route or shall have curb ramps at both sides and a level area not less than 48 inches (1220 mm) long connecting the ramps.

1106.4.5 Surfaces.

1106.4.5.1 General. All floor and ground surfaces in an accessible route of travel shall comply with Section 1106.7.

1106.4.5.2 Detectable warnings. Curb ramps shall have detectable warnings complying with Section 1106.17.

Detectable warnings shall extend the full width and depth of the curb ramp.

1106.4.6 Illumination. Illumination shall be provided along an exterior accessible route of travel at any time the building is occupied, with an intensity of not less than one footcandle (10.76 lx) on the surface of the route.

1106.4.7 Curb ramps.

1106.4.7.1 Slope. Slopes of curb ramps shall comply with Section 1106.8. Transitions from ramps to walks, gutters, or vehicular ways shall be flush and free of abrupt changes in height. Maximum slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp or accessible route of travel shall not exceed 1 vertical in 20 horizontal.

1106.4.7.2 Width. Curb ramps shall be not less than 36 inches (915 mm) in width, exclusive of the required side slopes.

1106.4.7.3 Side slopes of curb ramps. Curb ramps located where pedestrians must walk across the ramp, or where not protected by handrails or guardrails, shall have sloped sides. The maximum side slope shall be 1 vertical in 10 horizontal. Curb ramps with returned curbs may be used where pedestrians would not normally walk across the ramp.

EXCEPTION: Where the width of the walking surface at the top of the ramp and parallel to the run of the ramp is less than 48 inches (1220 mm), the maximum side slope shall be 1 vertical in 12 horizontal.

1106.4.7.4 Location. Built-up curb ramps shall be located so as not to project into vehicular ways nor be located within accessible parking spaces.

1106.4.7.5 Obstructions. Curb ramps shall be located or protected to prevent their obstruction by parked vehicles.

1106.4.7.6 Location at marked cross walks. Curb ramps at marked cross walks shall be wholly contained within the markings, excluding any sloped sides.

1106.4.7.7 Orientation. Curb ramps shall be oriented in the same direction as pedestrian flow of crosswalks; diagonally oriented curb ramps are prohibited.

1106.4.8 Vehicular areas. Where an accessible route of travel crosses or adjoins a vehicular way, and where there are no curbs, railings or other elements which separate the pedestrian and vehicular areas, and which are detectable by a person who has a severe vision impairment, the boundary between the areas shall be defined by a continuous detectable warning not less than 36 inches (915 mm) wide, complying with Section 1106.17.

1106.5 Protruding Objects. Protruding objects shall not reduce the clear width of a route of travel or maneuvering space. Any wall- or post-mounted object with its leading edge between 27 inches (685 mm) and 79 inches (2007 mm) above the floor may project not more than 4 inches (102 mm) into a route of travel, corridor, passageway, or aisle. Any wall- or post-mounted projection greater than 4 inches (102 mm) shall extend to the floor.

1106.6 Changes in Level. Accessible routes of travel and accessible spaces within buildings shall have continuous common floor or ramp surfaces. Abrupt change in height

greater than 1/4 inch (6 mm) shall be beveled to 1 vertical in 2 horizontal. Changes in level greater than 1/2 inch (13 mm) shall be accomplished by means of a ramp meeting the requirements of Section 1106.8, a curb ramp meeting the requirements of Section 1106.4.7, or an elevator or platform lift meeting the requirements of Section 1105.3. For Type B dwelling units, see also Section 1106.27.

1106.7 Floor Coverings and Surface Treatments.

1106.7.1 General. All surfaces shall be firm and stable.

1106.7.2 Carpeting. Carpeting and floor mats in accessible areas shall be securely fastened to the underlying surface, and shall provide a firm, stable, continuous, and relatively smooth surface.

1106.7.3 Slip-resistant surfaces. Showers; locker rooms; swimming pool, spa, and hot tub decks; toilet rooms; and other areas subject to wet conditions shall have slip-resistant floors.

Exterior accessible routes of travel shall have slip-resistant surfaces.

1106.7.4 Grates. Within an accessible route of travel, grates shall have openings not more than 1/2 inch (13 mm) in one direction. Where grates have elongated openings, they shall be placed so that the long dimension is perpendicular to the dominant direction of travel. The maximum vertical surface change shall be 1/8 inch (3 mm).

1106.7.5 Expansion and construction joints. Expansion and construction joints in exterior routes of travel shall have a width of not more than 1/2 inch (13 mm), shall be filled with a firm, compressible, elastic material, and shall be substantially level with the surface of the accessible route of travel.

1106.8 Ramps.

1106.8.1 General. Ramps required to be accessible shall comply with Section 1003.3.4 and the provisions of this section. No ramp shall change direction between landings, except ramps with an inside radius of 30 feet (9144 mm) or greater.

1106.8.2 Slope and rise. The maximum slope of a ramp shall be 1 vertical in 12 horizontal. The maximum rise for any run shall be 30 inches (760 mm).

1106.8.3 Width. The minimum width of a ramp shall be not less than 36 inches (915 mm) for interior ramps and 44 inches (1118 mm) for exterior ramps.

1106.8.4 Landings. Ramps within the accessible route of travel shall have landings at the top and bottom, and at least one intermediate landing shall be provided for each 30 inches (760 mm) of rise. Landings shall be level and have a minimum dimension measured in the direction of ramp run of not less than 60 inches (1525 mm). Where the ramp changes direction at a landing, the landing shall be not less than 60 inches (1525 mm) by 60 inches (1525 mm). The width of any landing shall be not less than the width of the ramp.

1106.8.5 Handrails. Ramps having slopes steeper than 1 vertical to 20 horizontal shall have handrails as required for stairways, except that intermediate handrails as required in

Section 1003.3.3.6 are not required. Handrails shall be continuous provided that they shall not be required at any point of access along the ramp, nor at any curb ramp. Handrails shall extend at least 12 inches (305 mm) beyond the top and bottom of any ramp run.

EXCEPTION: Ramps having a rise less than or equal to 6 inches (152 mm), or a run less than or equal to 72 inches (1830 mm), need not have handrails.

1106.8.6 Exterior ramps. Exposed ramps and their approaches shall be constructed to prevent the accumulation of water on walking surfaces.

1106.8.7 Edge protection. Any portion of the edge of a ramp with a slope greater than 1 vertical in 20 horizontal, or landing which is more than 1/2 inch (13 mm) above the adjacent grade or floor, shall be provided with edge protection in accordance with the following:

1. **Walls and Curbs.** When used, walls or curbs shall be not less than 2 inches (51 mm) in height above the surface of the accessible route of travel.

2. **Railings.** When used, railings shall comply with Section 1106.8.5 and also shall have one of the following features:

2.1. An intermediate rail mounted 17 to 19 inches (430 to 485 mm) above the ramp or landing surface, or

2.2. A guardrail complying with Section 509.

1106.9 Stairways.

1106.9.1 General. Stairways required to be accessible shall comply with Section 1003.3.3 and provisions of this section.

1106.9.2 Open risers. Open risers shall not be permitted.

EXCEPTION: Stairways in Group R, Division 1 apartment buildings may have open risers.

1106.9.3 Nosings. Stair nosings shall be flush, slip-resistant, and rounded to a radius of 1/2 inch (13 mm) maximum. Risers shall be sloped, or the underside of the nosing shall have an angle of not less than 60 degrees from the horizontal. Nosings shall project no more than 1-1/2 inches (38 mm).

1106.9.4 Exterior stairways. Exposed stairways and their approaches shall be constructed to prevent the accumulation of water on walking surfaces.

1106.10 Doors.

1106.10.1 General. Doors required to be accessible shall comply with Section 1003.3.1 and with provisions of this section. For the purpose of this section, gates shall be considered to be doors. An accessible gate or door shall be provided adjacent to any turnstile or revolving door. Where doorways have two independently operated door leaves, then at least one leaf shall comply with this section.

1106.10.2 Clear width. Doors shall be capable of being opened so that the clear width of the opening is not less than 32 inches (815 mm).

EXCEPTION: Doors not requiring full user passage, such as shallow closets, may have a clear opening of not less than 20 inches (510 mm).

1106.10.3 Maneuvering clearances at doors. Except as provided in Section 1106.27, all doors shall have minimum maneuvering clearances as follows:

1. For a forward approach, where a door must be pulled to be opened, an unobstructed floor space shall extend at least 18 inches (455 mm) beyond the strike jamb and extend at least 60 inches (1525 mm) perpendicular to the doorway.

2. For a forward approach, where a door must be pushed to be opened and is equipped with a closer and a latch, an unobstructed floor space shall extend at least 12 inches (305 mm) beyond the strike jamb and extend at least 48 inches (1220 mm) perpendicular to the doorway.

3. For a forward approach, where a door must be pushed to be opened and is not equipped with a closer and a latch, an unobstructed floor space shall be at least the width of the doorway and extend at least 48 inches (1220 mm) perpendicular to the doorway.

4. For a hinge side approach, where a door must be pulled to be opened, an unobstructed floor space shall extend at least 36 inches (915 mm) beyond the latch side of the door and at least 60 inches (1525 mm) perpendicular to the doorway, or shall have an unobstructed floor space that extends at least 42 inches (1065 mm) beyond the latch side of the door and at least 54 inches (1370 mm) perpendicular to the doorway.

5. For a hinge side approach, where a door must be pushed to be opened and is not equipped with both a closer and a latch, an unobstructed floor space, measured from the latch side, shall extend across the width of the doorway and beyond the hinge side of the door for a total width of not less than 54 inches (1370 mm); and at least 42 inches (1065 mm) perpendicular to the doorway.

6. For a hinge side approach, where a door must be pushed to be opened and is equipped with both latch and closer, an unobstructed floor space, measured from the latch side, shall extend across the width of the doorway and beyond the hinge side of the door for a total width of not less than 54 inches (1370 mm); and at least 48 inches (1220 mm) perpendicular to the doorway.

7. For a latch side approach, where a door must be pulled to be opened and is equipped with a closer, an unobstructed floor space shall extend at least 24 inches (610 mm) beyond the latch side of the door and at least 54 inches (1370 mm) perpendicular to the doorway.

8. For a latch side approach, where a door must be pulled to be opened and is not equipped with a closer, an unobstructed floor space shall extend at least 24 inches (610 mm) beyond the latch side of the door and at least 48 inches (1220 mm) perpendicular to the doorway.

9. For a latch side approach, where a door must be pushed to be opened and is equipped with a closer, an unobstructed floor space shall extend at least 24 inches (610 mm) beyond the latch side of the door and at least 48 inches (1370 mm) perpendicular to the doorway.

10. For a latch side approach, where a door must be pushed to be opened and is not equipped with a closer, an unobstructed floor space shall extend at least 24 inches (610

mm) parallel to the doorway, beyond the latch side of the door and at least 42 inches (1065 mm) perpendicular to the doorway.

11. For a forward approach, to a sliding or folding door, an unobstructed floor space shall extend the same width as the door opening and at least 48 inches (1220 mm) perpendicular to the doorway.

12. For a slide side approach to a sliding or folding door, an unobstructed floor space, measured from the latch side, shall extend across the width of the doorway and beyond the slide side of the door for a total width of not less than 54 inches (1370 mm); and at least 42 inches (1065 mm) perpendicular to the doorway.

13. For a latch side approach to a sliding or folding door, an unobstructed floor space shall extend at least 24 inches (610 mm) beyond the latch side of the door and at least 42 inches (1065 mm) perpendicular to the doorway.

14. Where two doors are in series, the minimum distance between two hinged or pivoted doors shall be 48 inches (1220 mm), in addition to any area needed for door swing. Doors in series shall swing either in the same direction, or away from the space between the doors.

15. All doors in alcoves shall comply with the requirement for a forward approach.

1106.10.4 Thresholds at doors. Thresholds at doors shall comply with Section 1106.6.

EXCEPTION: In dwelling units, exterior doors other than the accessible entrance to a dwelling unit, may be sliding doors with thresholds not exceeding 3/4 inch (19 mm).

1106.10.5 Automatic and power-assisted doors. Door-closers or power-operators shall be operable as required by Section 1003.3.1.2.

EXCEPTION: Floor pad or electric eye actuated power-operators.

All power-operated doors shall remain in the fully open position for not less than 6 seconds before closing. Touch switches shall be mounted 36 inches (915 mm) above the floor and not less than 18 inches (455 mm), nor more than 36 inches (915 mm), horizontally from the nearest point of travel of the moving door. Other power-operated doors must be actuated from a location not less than 36 inches (915 mm) from the nearest point of travel of the moving door. Power-operated doors shall automatically reopen when they encounter an obstruction other than the strike jamb.

1106.10.6 Door closers. Where provided, door closers shall be adjusted to close from an open position of 70 degrees to a point 3 inches (76 mm) from the latch, in not less than 3 seconds, when measured to the leading edge of the door.

1106.10.7 Vision panels. Where a door contains one or more vision panels, the bottom of the glass of at least one panel, shall be not more than 43 inches (1091 mm) above the floor.

1106.11 Bathrooms, Toilet Rooms, Bathing Facilities, and Shower Rooms.

1106.11.1 General. Bathrooms, toilet rooms, bathing facilities, and shower rooms shall be designed in accordance

with this section. For dwelling units, see also Section 1106.27.

1106.11.2 Unobstructed floor space. An unobstructed floor space shall be provided within bathrooms, toilet rooms, bathing facilities, and shower rooms of sufficient size to inscribe a circle with a diameter not less than 60 inches (1525 mm). Doors in any position may encroach into this space by not more than 12 inches (305 mm). The clear floor spaces at fixtures, the accessible route of travel, and the unobstructed floor space may overlap.

1106.11.3 Wheelchair accessible toilet stalls.

1106.11.3.1 Dimensions. Wheelchair accessible toilet stalls shall be at least 60 inches (1525 mm) in width. Where wall-hung water closets are installed, the depth of the stall shall be not less than 56 inches (1420 mm). Where floor-mounted water closets are installed, the depth of the stall shall be not less than 59 inches (1500 mm). Entry to the compartment shall have a clear width of 32 inches (815 mm). Toilet stall doors shall not swing into the clear floor space required for any fixture. Except for door swing, a clear unobstructed access not less than 48 inches (1220 mm) in width shall be provided to toilet stalls.

EXCEPTION: Partitions may project not more than one inch (25 mm), in the aggregate, into the required width of the stall.

1106.11.3.2 Toe clearances. In any toilet stall, the front partition and at least one side partition shall provide a toe clearance of at least 9 inches (230 mm) above the floor.

EXCEPTION: Toe clearance is not required in a stall with a depth greater than 60 inches (1525 mm).

1106.11.3.3 Door hardware. Doors of accessible toilet stalls shall comply with Section 1106.3.

1106.11.4 Ambulatory accessible toilet stalls. Ambulatory accessible toilet stalls shall be at least 36 inches (915 mm) in width, with an outward swinging, self-closing door. Grab bars shall be installed on each side of the toilet stall and shall comply with Sections 1106.11.5.3 and 1106.11.11.

1106.11.5 Water closets.

1106.11.5.1 Clear floor space. The lateral distance from the center line of the water closet to the nearest obstruction, excluding grab bars, shall be 18 inches (455 mm) on one side and not less than 42 inches (1065 mm) on the other side. In other than stalls, a clear floor space of not less than 32 inches (815 mm), measured perpendicular to the wall on which the water closet is mounted, shall be provided in front of the water closet.

EXCEPTION: In other than a toilet stall, a lavatory may be located within the clear floor space required for a water closet provided that knee and toe clearances for the lavatory comply with Section 1106.11.7, below, and:

1. In Type B dwelling units the edge of the lavatory shall be located not less than 15 inches (380 mm) from the centerline of the water closet; or,
2. In all other occupancies the edge of the lavatory shall be located not less than 18 inches (455 mm) from the centerline of the water closet.

1106.11.5.2 Height. The height of water closets shall be a minimum of 17 inches (430 mm) and a maximum of 19 inches (485 mm) measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

1106.11.5.3 Grab bars. Grab bars shall be installed at one side and at the back of the water closet. The top of grab bars shall be not less than 33 inches (840 mm) and not more than 36 inches (915 mm) above and parallel to the floor. Grab bars located at the side shall be a minimum 42 inches (1065 mm) in length located not more than 12 inches (305 mm) from the rear wall and extending at least 54 inches (1370 mm) from the rear wall. Grab bars located at the back shall be a minimum of 36 inches (915 mm) in length and shall extend at least 12 inches (305 mm) beyond the center of the water closet toward the side wall and at least 24 inches (610 mm) toward the open side of the water closet. Grab bars located at the back shall be mounted not more than 9 inches (230 mm) behind the water closet seat. See also Section 1106.11.11.

1106.11.5.4 Flush controls. Flush controls shall be mounted for use from the wide side of the water closet area and not more than 44 inches (1118 mm) above the floor. Flush valves shall comply with Section 1106.3.

1106.11.5.5 Dispensers and receptacles. Toilet paper and other dispensers or receptacles shall be installed within easy reach of the water closet, and shall not interfere with unobstructed floor space or grab bar utilization.

1106.11.6 Urinals. A clear floor space measuring 30 inches (760 mm) in width by 48 inches (1220 mm) in depth shall be provided in front of urinals to allow for forward approach. Urinal shields shall have a clear space between them of not less than 29 inches (737 mm) and shall not extend farther than the front edge of the urinal rim. Urinals shall be stall-type or wall-hung with an elongated rim at a maximum of 17 inches (430 mm) above the floor. Flush controls shall be mounted not more than 44 inches (1118 mm) above the floor. Flush valves shall comply with Section 1106.3.

1106.11.7 Lavatories and sinks.

1106.11.7.1 Clear floor space. A clear floor space not less than 30 inches (760 mm) in width by 48 inches (1220 mm) in depth shall be provided in front of lavatories and sinks to allow a forward approach. The clear floor space may include knee and toe clearances not to exceed 19 inches (485 mm) extending under the lavatory or sink.

1106.11.7.2 Height. Lavatories and sinks shall be mounted with the rim or counter surface no higher than 34 inches (865 mm) above the finished floor.

1106.11.7.3 Knee and toe clearances.

1106.11.7.3.1 Lavatories. The total depth of the clear space beneath a lavatory shall be not less than 17 inches (430 mm), of which toe clearance shall be not more than 6 inches (152 mm) of the total depth. Knee clearance shall be not less than 29 inches (237 mm) in height and 30 inches (760 mm) in width.

1106.11.7.3.2 Sinks. Knee clearance not less than 27 inches (685 mm) in height, 30 inches (760 mm) in width, and 19 inches (485 mm) in depth shall be provided underneath sinks.

1106.11.7.4 Exposed pipes and surfaces. Hot water and drain pipes exposed under lavatories and sinks shall be

insulated or otherwise covered. There shall be no sharp or abrasive surfaces under lavatories or sinks.

1106.11.7.5 Faucets. Faucet control handles shall be located not more than 17 inches (430 mm) from the front edge of the lavatory, sink or counter, and shall comply with Section 1106.3. Self-closing valves shall remain open for at least 10 seconds per operation.

1106.11.7.6 Sink depth. Sinks shall be not more than 6-1/2 inches (165 mm) in vertical depth.

1106.11.8 Mirrors, dispensers, and other fixtures. Mirrors or shelves shall be installed so that the bottom of the mirror or the top of the shelf is within 40 inches (1015 mm) of the floor.

Drying equipment, towel or other dispensers, and disposal fixtures shall be mounted so as to not exceed 40 inches (1015 mm) above the finished floor to any rack, operating controls, receptacle or dispenser.

1106.11.9 Bathtubs.

1106.11.9.1 Clear floor space. A clear floor space not less than 60 inches (1525 mm) in length shall be provided along the tub. Where the required seat is located at the end of the tub, the clear floor space shall be not less than 75 inches (1905 mm) in length. The clear floor space shall be not less than 30 inches (760 mm) in width where access to the space is parallel to the tub and not less than 48 inches (1220 mm) in width where access to the space is at right angles to the tub.

A lavatory which complies with Section 1106.11.7, above, may be located in the clear floor space for the tub.

Where a seat is provided and a lavatory is located in the clear floor space for the tub, the lavatory shall be located at the end of the tub adjacent to the controls.

1106.11.9.2 Seats. An in-tub seat or a seat at the end of the tub shall be provided. In-tub seats shall be portable and removable, not less than 12 inches (305 mm) in width, and extend the full width of the tub. Seats at the end of the tub shall be constructed flush with the top of the tub and shall extend not less than 15 inches (380 mm) from the end of the tub. Seats shall be mounted securely and shall not slip during use.

1106.11.9.3 Grab bars. All required grab bars shall be installed parallel to the floor. Lower grab bars shall be installed centered 9 inches (230 mm) above the tub rim. Upper or single grab bars shall be installed centered not less than 33 inches (840 mm) and not more than 36 inches (915 mm) above the floor of the clear space.

Where a tub has a seat at the end, two grab bars not less than 48 inches (1220 mm) in length shall be installed on the wall opposite the clear floor space. One end of each grab bar shall terminate where the tub abuts the seat.

Where a tub has an in-tub seat, two grab bars, not less than 24 inches (610 mm) in length, shall be installed on the wall opposite the clear floor space. The grab bars shall extend to not less than 24 inches (610 mm) from one end of the tub and not less than 12 inches (305 mm) from the other end. One grab bar shall be installed on the wall at the end

of the tub opposite the drain, extending at least 12 inches (305 mm) from the clear floor space.

For all bathtubs, one grab bar shall be installed on the wall at the end of the tub nearest the drain, extending at least 24 inches (610 mm) from the clear floor space.

1106.11.9.4 Controls and fixtures. Faucets and other controls shall be located above the tub rim and below the grab bars, shall be offset laterally from the clear floor space between the open edge of the tub and the mid-point of the tub and shall comply with Section 1106.3.

A shower spray unit, with a hose at least 60 inches (1525 mm) long, that can be used as a fixed shower head or as a hand-held shower, shall be provided.

1106.11.9.5 Bathtub enclosures. Where provided, enclosures for bathtubs shall not obstruct controls or obstruct transfer from wheelchairs onto bathtub seats or into tubs. Bathtub enclosures shall not have tracks mounted on the tub rim.

1106.11.10 Shower stalls.

1106.11.10.1 Configuration. Shower stalls shall have one of the following configurations:

1. Transfer shower stalls shall be 36 inches by 36 inches (915 by 915 mm), nominal, and shall have a seat; or,

2. Roll-in shower stalls shall be not less than 30 inches (760 mm) in depth by 60 inches (1525 mm) in length.

1106.11.10.2 Clear floor space. A clear floor space shall be provided adjacent to shower stalls.

1. For transfer shower stalls, a clear floor space not less than 48 inches (1220 mm) in length, parallel to the open side of the shower stall, and not less than 36 inches (915 mm) in width, perpendicular to the open edge of the shower stall, shall be located so as to extend at least 12 inches (305 mm) beyond the wall on which the seat is mounted.

2. For roll-in shower stalls, a clear floor space not less than 60 inches (1525 mm) in length, parallel to the open edge of the shower stall, and not less than 36 inches (915 mm) in width, perpendicular to the open edge of the shower stall, shall be provided. A lavatory which complies with Section 1106.11.7, above, may be located within one end of the clear floor space. Where a seat is provided in the shower, a lavatory may be located only at the opposite end of the clear space.

1106.11.10.3 Seats. Transfer shower stalls shall be provided with a folding or non-folding seat located on the wall opposite the shower controls.

Roll-in shower stalls shall be provided with a folding seat located on the wall adjacent to the shower controls.

EXCEPTION: Roll-in shower stalls located in occupancies other than hotels, lodging houses and congregate residences need not be provided with a seat.

The seat shall be mounted not less than 17 inches (430 mm) and not more than 19 inches (485 mm) above the floor. The seat shall be mounted not more than 1-1/2 inches (38 mm) from the shower walls. The leading edge of the seat

may be set back not more than 1-1/2 inches (38 mm) from the leading edge of the shower stall.

The seat shall be L-shaped and shall extend the full depth of the stall. The section of the seat adjacent to the wall opposite the clear floor space shall be at least 22 inches (560 mm) and not more than 23 inches (585 mm) wide, measured from the wall on which the seat is mounted. That section of the seat shall extend not less than 14 inches (355 mm) but not more than 15 inches (380 mm), measured from the wall opposite the clear floor space. The remaining portion of the seat shall be not less than 15 inches (380 mm) and not more than 16 inches (405 mm) wide, measured from the wall on which the seat is mounted, and shall extend the remaining depth of the stall.

1106.11.10.4 Grab bars. All required grab bars shall be installed parallel to the floor. All grab bars shall be installed not less than 33 inches (840 mm) and not more than 36 inches (915 mm) above the floor of the adjacent clear space.

For transfer shower stalls, a grab bar, not less than 18 inches (455 mm) in length, shall be installed on the wall opposite the clear floor space. One end of the grab bar shall terminate at the wall opposite the seat. A grab bar not less than 27 inches (685 mm) in length shall also be installed on the wall opposite the seat.

For roll-in shower stalls, grab bars shall be provided on all permanent stall walls. Grab bars located on either end of the stall shall be not less than 27 inches (685 mm) in length. The grab bar located opposite the clear space shall be not less than 48 inches (1220 mm) in length.

1106.11.10.5 Controls and fixtures. Faucets and other controls shall be located on the same wall as the shower spray unit, and shall be installed not less than 38 inches (965 mm) or more than 48 inches (1220 mm) above the shower floor and shall comply with Section 1106.3. In addition:

1. For transfer shower stalls, the controls shall be located on the wall opposite the shower seat. The controls shall be located within 18 inches (455 mm) of the open side of the shower stall.

2. For roll-in shower stalls equipped with seats, the controls shall be mounted on the wall adjacent to the seat not more than 27 inches (685 mm) from the wall where the seat is mounted. For roll-in shower stalls without seats, the controls may be located on any wall. Where the controls are located on the back wall, they shall be located not more than 27 inches (685 mm) from a side wall.

A shower spray unit, with a hose at least 60 inches (1525 mm) long, that can be used as a fixed shower head or as a hand-held shower, shall be provided.

EXCEPTION: In unmonitored facilities where vandalism is a consideration, a fixed shower head may be installed not more than 48 inches (1220 mm) above the stall floor.

1106.11.10.6 Thresholds. In transfer shower stalls, thresholds shall be flush or beveled with a maximum edge height of 1/2 inch (13 mm), and a maximum slope of not more than 1 vertical in 2 horizontal.

Thresholds in roll-in shower stalls shall be level with the adjacent clear space.

1106.11.10.7 Shower enclosures. Where provided, enclosures for shower stalls shall not obstruct controls or obstruct transfer from wheelchairs onto shower seats.

1106.11.11 Structural requirements for grab bars, and tub and shower seats.

1106.11.11.1 General. All grab bars, and tub and shower seats required to be accessible, shall comply with this section.

1106.11.11.2 Size and spacing of grab bars. Grab bars shall have an outside diameter of not less than 1-1/4 inch (32 mm) nor more than 1-1/2 inches (38 mm) and shall provide a clearance of 1-1/2 inches (38 mm) between the grab bar and the wall.

1106.11.11.3 Structural strength. The structural strength of grab bars, tub and shower seats, fasteners and mounting devices shall meet the following specification:

1. Bending stress in a grab bar or seat induced by the maximum bending moment from the application of 300 pounds (1334 N) shall be less than the allowable stress for the material of the grab bar or seat.

2. Shear stress induced in a grab bar or seat by the application of 300 pounds (1334 N) shall be less than the allowable shear stress for the material of the grab bar or seat. If the connection between the grab bar or seat and its mounting bracket or other support is considered to be fully restrained, then direct and torsional shear stresses shall be totaled for the combined shear stress, which shall not exceed the allowable shear stress.

3. Shear force induced in a fastener or mounting device from the application of 300 pounds (1334 N) shall be less than the allowable lateral load of either the fastener or mounting device or the supporting structure, whichever is the smaller allowable load.

4. Tensile force induced in a fastener by a direct tension force of 300 pounds (1334 N) plus the maximum moment from the application of 300 pounds (1334 N) shall be less than the allowable withdrawal load between the fastener and the supporting structure.

1106.11.11.4 Special hazards. A grab bar and any wall or other surface adjacent to it shall be free of any sharp or abrasive elements. Edges shall have a minimum radius of 1/8 inch (3 mm).

1106.12 Kitchens.

1106.12.1 Clear floor space. An unobstructed floor space shall be provided within kitchens of sufficient size to inscribe a circle with a diameter not less than 60 inches (1525 mm). Doors in any position may encroach into this space by not more than 12 inches (305 mm). The clear floor spaces at fixtures, the accessible route of travel, and the unobstructed floor space may overlap.

1106.12.2 Counter surfaces and shelving. Within Type A dwelling units, a counter surface, a minimum of 30 inches (760 mm) wide by 24 inches (610 mm) deep, shall be provided at a maximum height of 34 inches (865 mm), with a knee space beneath at least 27 inches (685 mm) in height.

In other than dwelling units, at least 50 percent of shelf space in cabinets, refrigerators and freezers shall be within the reach ranges specified in Section 1106.2.4.

1106.13 Water Fountains.

1106.13.1 Clear floor space. Wall- and post-mounted cantilevered units shall have a minimum clear floor space in front of the unit, of 30 inches (760 mm) in width by 48 inches (1220 mm) in depth to allow a forward approach.

Free-standing or built-in units not having a clear space beneath them shall have an adjacent clear floor space at least 30 inches (760 mm) in depth by 48 inches (1220 mm) in width in order to allow a person in a wheelchair to make a parallel approach to the unit.

1106.13.2 Knee space. Wall- and post-mounted cantilevered units shall have knee space in accordance with Section 1106.2.4.3. The knee space shall be not less than 17 inches (430 mm) nor more than 19 inches (485 mm) in depth.

1106.13.3 Spout location. Spouts shall be located not more than 36 inches (915 mm) above the floor or ground surface. Spouts shall be located at the front of the unit and shall direct a water flow not less than 4 inches (102 mm) in height, in a trajectory parallel to the front of the unit. Recessed units shall be installed such that the spout is not recessed beyond the plane of the wall.

1106.13.4 Controls. Controls shall be located not more than 6 inches (152 mm) from the front of the unit and shall comply with Section 1106.3. The force required to activate the control shall not exceed 5 pounds (22.2 N).

1106.13.5 Water fountains in alcoves. Where a unit is installed in an alcove greater than 8 inches (205 mm) in depth, the alcove shall be not less than 48 inches (1220 mm) in width. A minimum 24 inches (610 mm) of clear space shall be provided from the spout to the nearest side wall of the alcove.

1106.14 Telephones.

1106.14.1 Clear floor or ground space. A clear floor or ground space, not less than 30 inches (760 mm) by 48 inches (1220 mm), that allows either a forward or parallel approach, shall be provided in front of telephones. Bases, enclosures and fixed seats shall not project into the clear floor space.

Where parallel approach is provided, any shelf or enclosure shall not project farther than 10 inches (255 mm) beyond the face of the telephone.

Where a forward approach is provided, any shelf shall not project farther than 20 inches (510 mm) beyond the face of the telephone; any enclosure panels shall be a minimum 30 inches (760 mm) apart, and where less than 36 inches (915 mm) apart, shall project no more than 24 inches (610 mm) beyond the face of the phone.

1106.14.2 Height. The highest operable part of a telephone shall be within the reach ranges specified in Section 1106.2.4.

1106.14.3 Equipment for persons with hearing impairments. Telephones shall be equipped with volume controls and shall be hearing aid compatible. Volume controls shall

be capable of increasing volume not less than 12 dbA nor more than 18 dbA above normal.

EXCEPTION: Where an automatic reset is provided, 18 dbA may be exceeded.

1106.14.4 Controls. Telephones shall have push-button controls where service for such equipment is available.

1106.14.5 Cord length. The cord from the telephone to the handset shall be not less than 29 inches (737 mm) in length.

1106.14.6 Text telephones. Text telephones shall be permanently affixed within, or adjacent to, the telephone enclosure. Where an acoustic coupler is used, the telephone cord shall be sufficiently long to allow connection of the text telephone and the telephone receiver.

1106.14.7 Shelf and electrical outlet. Shelves and an electrical outlet shall be located within or adjacent to the telephone enclosure. The shelf shall be not less than 10 inches by 10 inches (255 mm by 255 mm) in dimension, with a vertical clearance above the shelf of not less than 6 inches (152 mm). The telephone handset shall be capable of being placed flush on the surface of the shelf.

1106.15 Alarms.

1106.15.1 Audible alarms. Audible alarms shall produce a sound in accordance with the Fire Code.

1106.15.2 Visible alarms. Visible alarm signal appliances shall be integrated into the building or facility alarm system. Where single-station audible alarms are provided, single-station visible alarm signals shall be provided.

EXCEPTION: Dwelling units in Group R, Division 1 apartment buildings.

Visible alarms shall be located not less than 80 inches (2030 mm) above floor level, or 6 inches (152 mm) below the ceiling, whichever is lower, and at an interval of not more than 50 feet (15 m) horizontal, in rooms, corridors, and hallways.

In rooms or spaces exceeding 100 feet (30 m) in horizontal dimension, with no obstructions exceeding 6 feet (1830 mm) in height above the finished floor, visible alarms may be placed around the perimeter at intervals not to exceed 100 feet (30 m) horizontally.

Visible alarm signals shall comply with the following criteria:

1. The lamp shall be a xenon strobe type or equivalent.
2. The color shall be clear or unfiltered white light.
3. The maximum pulse duration shall be two-tenths of one second (0.2 sec) with a maximum duty cycle of 40 percent. The pulse duration is defined as the time interval between initial and final point of 10 percent of maximum signal.
4. The intensity shall be a minimum of 75 candela.
5. The flash rate shall be a minimum of 1 Hz and a maximum of 3 Hz.

1106.15.3 Access to manual fire alarm systems. Manual fire alarm devices shall be mounted not more than 54 inches

(1370 mm) above the floor where a parallel approach is provided.

1106.16 Signage.

1106.16.1 Symbols.

1106.16.1.1 International Symbol of Access. The International Symbol of Access shall be as shown below:



1106.16.1.2 Text telephones. Text telephones required by Section 1105.4.2 shall be identified by the International Text Telephone Symbol as shown below:



1106.16.1.3 Assistive listening systems. Permanently installed assistive listening systems that are required by Section 1103.1.2.2 shall be identified by the International Symbol of Access for Hearing Loss as shown below:



1106.16.1.4 Volume control telephones. Telephones required by Section 1105.4.2 to have volume controls shall be identified by a handset containing a depiction of a telephone handset with radiating sound waves.

1106.16.2 Mounting location and height. Signs shall be installed on the wall adjacent to the latch side of the door. Signs shall be centered at 60 inches (1525 mm) above the finished floor. Mounting location for such signage shall be such that a person may approach within 3 inches (76 mm) of signage without encountering protruding objects or standing within the swing of a door.

1106.16.3 Finish and color. Characters and symbols shall have a high contrast with their background. The character and background of interior signs shall be eggshell, matte, or other nonglare finish.

All interior and exterior signs depicting the International Symbol of Access shall be white on a blue background.

1106.16.4 Character proportion and height. Letters and numbers on signs shall have a width-to-height ratio between 3:5 and 1:1 and a stroke-width-to-height ratio between 1:5 and 1:10.

Characters and numbers on signs shall be sized according to the viewing distance from which they are to be read. The minimum character height for signs that are suspended or projected overhead is 3 inches (76 mm) for upper case letters. Lower case letters are permitted.

1106.16.5 Raised and Braille characters and pictorial symbol signs (pictograms).

1106.16.5.1 Raised characters and symbols. Characters and symbols on tactile signs shall be raised at least 1/32 inch (.8 mm). Raised characters and symbols shall be simple type face upper case characters. Raised characters and symbols shall be between 5/8 inch (16 mm) and 2 inches (51 mm) in height. Raised characters shall be accompanied by Braille in accordance with this section.

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1106.16.5.2 Braille. Braille shall be separated from the corresponding raised characters or symbols. Braille shall be Grade 2.

1106.16.5.3 Pictograms. Where provided, pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram. The border dimension of the pictogram shall be not less than 6 inches (152 mm) in height.

1106.17 Detectable Warnings. Detectable warnings on walking surfaces shall consist of raised truncated domes having a diameter of 0.9 inches (23 mm) nominal, a height of 0.2 inches (5 mm) nominal, and a center-to-center spacing of 2.35 inches (60 mm) nominal, and shall contrast visually with adjoining surfaces.

1106.18 Storage, Shelving and Display Units.

1106.18.1 Clear floor space. Storage, shelving and display units shall have a clear floor space, not less than 30 inches (760 mm) by 48 inches (1220 mm), that allows for either a forward or parallel approach.

1106.18.2 Height. Accessible storage, shelving and display units shall be within the reach ranges specified in Section 1106.2.4. Clothes rods shall be not more than 54 inches (1370 mm) above the floor.

1106.19 Seating, Tables, and Sinks.

1106.19.1 Clear floor space. Sinks and seating spaces at tables shall have a clear floor space of not less than 30 inches (760 mm) by 48 inches (1220 mm), that allows forward approach. The clear floor space shall not overlap knee space by more than 19 inches (483 mm).

1106.19.2 Knee clearances. Knee spaces at tables, counters, and sinks shall be provided in accordance with Section 1106.2.4.3. In addition, the depth of the knee space shall be not less than 19 inches (483 mm). No projection which might obstruct the arm of a wheelchair may intrude into this clearance, within 24 inches (610 mm) horizontally from the table edge.

1106.19.3 Height. The tops of tables and sinks shall be not less than 28 inches (710 mm) nor more than 34 inches (865 mm) in height above the floor or ground.

1106.20 Aisles. All aisles required to be accessible, including check out aisles, food service lines, and aisles between fixed tables, shall be not less than 36 inches (915 mm) in width.

1106.21 Assembly Areas.

1106.21.1 Wheelchair spaces.

1106.21.1.1 Location. Wheelchair spaces shall be an integral part of any fixed seating plan and shall be dispersed throughout the seating area. Spaces shall adjoin an accessible route of travel that also serves as a means of egress and shall be located to provide lines of sight comparable to those for all viewing areas.

EXCEPTION: Accessible viewing positions may be clustered for bleachers, balconies and other areas having sight lines that require slopes of greater than 5 percent. Equivalent accessible viewing positions may be located on levels having accessible egress.

1106.21.1.2 Size. Wheelchair spaces shall be not less than 33 inches (840 mm) in width. Where forward or rear approach is provided, wheelchair spaces shall be not less than 48 inches (1220 mm) in depth. Where only side approach is provided, wheelchair spaces shall be not less than 60 inches (1525 mm) in depth.

1106.21.1.3 Surfaces. The ground or floor surfaces at wheelchair locations shall be level and shall comply with Section 1106.7.

1106.21.2 Placement of assistive listening systems. Where an assistive listening system serves individual fixed seats, such seats shall have a clear line of sight and shall be located not more than 50 feet (15 m) from the stage or performance area.

1106.22 Restaurants and Cafeterias.

1106.22.1 Aisles. Aisles to fixed tables required to be accessible shall comply with Section 1106.20.

1106.22.2 Food service lines.

1106.22.2.1 Clear floor space. Food service lines shall comply with Section 1106.20.

1106.22.2.2 Height. Tray slides shall be mounted not more than 34 inches (865 mm) in height above the floor.

1106.22.2.3 Counters and bars. Where service of food or drink is provided at counters more than 34 inches (865 mm) in height, to customers seated on stools or standing, a portion of the main counter shall be provided in compliance with Section 1106.19, or service shall be available at accessible tables within the same area.

1106.22.2.4 Tableware and condiment areas. Self-service shelves and dispensing devices for tableware, dishware, condiments, food, and beverages shall be installed to comply with Section 1106.18.

1106.23 Patient bedrooms. Each patient bedroom shall be designed and constructed to provide space for a 180-degree turn that complies with Section 1106.2.2. Each patient room shall have a minimum clear floor space not less than 36 inches (915 mm) on each side of any bed.

1106.24 Customer Service Facilities.

1106.24.1 Dressing and fitting rooms.

1106.24.1.1 Clear floor space. Each dressing and fitting room shall have a clear floor space complying with Section 1106.2.

EXCEPTION: Dressing and fitting rooms that are entered through a curtained opening need not comply with Section 1106.2.2.

1106.24.1.2 Doors. All doors to accessible dressing and fitting rooms shall comply with Section 1106.10.

1106.24.1.3 Benches. Every accessible dressing or fitting room shall have a bench installed adjacent to the longest wall in the room. The bench shall be not less than 24 inches (610 mm) in width and 48 inches (1220 mm) in length, and shall be mounted not less than 17 inches (430 mm) nor more than 19 inches (483 mm) above the finished floor.

Clear floor space shall be provided adjacent to the bench to allow for parallel transfer, and the structural

strength of the bench shall comply with Section 1106.11.11.3.

Where benches are installed in dressing and fitting rooms adjacent to showers, swimming pools, or other wet locations, water shall not accumulate upon the surface of the bench and the bench shall have a slip-resistant surface.

1106.24.1.4 Mirrors. Where provided, mirrors in accessible dressing and fitting rooms shall be not less than 18 inches (455 mm) in width by 54 inches (1370 mm) in height and shall be mounted opposite the bench.

1106.24.2 Counters and windows. Where counters are required to be accessible, the accessible portion shall be not less than 36 inches (915 mm) in length and not more than 36 inches (915 mm) in height above the finished floor.

Where accessible windows are required, they shall be no more than 36 inches (915 mm) in height above the finished floor.

EXCEPTION: An auxiliary counter with a maximum height of 36 inches (915 mm) is installed in close proximity to the main counter.

1106.24.3 Check-out aisles. The width of accessible check-out aisles shall comply with Section 1106.20. Counters in accessible check-out aisles shall be not more than 38 inches (965 mm) in height, and the top of the raised edge of the counter shall not exceed 40 inches (1015 mm) in height above the finished floor.

Accessible check-out aisles shall be identified by the International Symbol of Access in accordance with Section 1106.16.1.1.

1106.25 Libraries.

1106.25.1 Reading and study areas. At least 5 percent, or a minimum of one, of each element of fixed seating, tables, or study carrels shall comply with Section 1106.19. Clearances between fixed accessible tables and study carrels shall comply with Section 1106.20.

1106.25.2 Check-out areas. At least one lane at each check-out area shall comply with Section 1106.20. Any traffic control or book security gates or turnstiles shall comply with Section 1106.10.

1106.25.3 Card catalogs, magazine displays and stacks.

1106.25.3.1 Aisles. Aisles between card catalogs, magazine displays or stacks shall comply with Section 1106.20.

1106.25.3.2 Height. Card catalogs or magazine displays shall have a reach height of not more than 54 inches (1370 mm) for side approach and not more than 48 inches (1220 mm) for forward approach.

Not all shelves in library stacks need be located within reach ranges required by Section 1106.2.4.

1106.26 Hotels and Congregate Residences.

1106.26.1 Clear floor space. Each sleeping room shall have a space complying with Section 1106.4.1, along both sides of each bed.

EXCEPTION: In rooms with two beds, only one 36 inch (915 mm) wide maneuvering space need be provided between the two beds.

1106.26.2 Accessible route of travel. An accessible route of travel complying with Section 1103.2.2 shall connect all accessible spaces and elements; including telephones, patios, terraces, balconies, carports, garages or parking spaces; with all accessible sleeping rooms.

1106.26.3 Doors. Doors within all sleeping rooms, suites or other covered units shall comply with Section 1106.10.

1106.26.4 Storage. Where fixed or built-in storage is provided in accessible units, sleeping rooms, or suites; including cabinets, shelves, closets, and drawers; at least one of each type shall comply with Section 1106.18.

1106.26.5 Controls. All controls in accessible units, sleeping rooms, and suites shall comply with Section 1106.3.

1106.27 Dwelling Units.

1106.27.1 Type A and B dwelling units. Type A and B dwelling units shall comply with Section 1106.

EXCEPTIONS:

1. In a Type A accessible dwelling unit with two or more stories, access to other levels is not required if the accessible level complies with all requirements for Type A accessible dwelling units and that kitchen, toilet and bathing facilities, and at least one bedroom are provided on the accessible level.

2. Kitchens in Type B dwelling units need not comply with Section 1106.12.1, provided that:

2.1. A clear space at least 30 inches by 48 inches (760 mm by 1220 mm) that allows parallel approach by a person in a wheelchair is provided at the range or cook top and sink, and either a parallel or forward approach is provided at all other appliances; and,

2.2. In all other kitchens, clearance between all opposing counters, base cabinets, countertops, appliances, and walls shall be not less than 40 inches (1015 mm); and,

2.3. In "U" shaped kitchens with a sink, range, or cooktop at the base of the "U", an unobstructed floor space of sufficient size to inscribe a circle with a diameter of not less than 60 inches (1525 mm) shall be provided.

3. Bathrooms in Type B dwelling units need not comply with Section 1106.11.2, provided that sufficient maneuvering space which is not less than 30 inches by 48 inches (760 by 1220 mm) is provided within the bathroom. Doors may swing into the clear floor space provided at any fixture, but shall not encroach on the required maneuvering space.

4. Doors in Type B dwelling units, other than the primary entry door, need not comply with Section 1106.10.3.

5. Mezzanines in Type A or B dwelling units need not be accessible.

6. Raised or sunken floors in Type B dwelling units need not be accessible, provided that they do not interfere with the accessible route of travel through the unit, and are not located in the kitchen or bathroom.

7. Counter surfaces in Type B dwelling units need not comply with Section 1106.12.2.

8. Within an individual dwelling unit in a building with an elevator, access to other levels is not required if the accessible level complies with all requirements for accessible dwelling units.

9. In Type B dwelling units, exterior deck, patio, or balcony surfaces may be no more than 4 inches (100 mm) below the floor level of the interior surface where the exterior surface is constructed of an impervious material such as concrete, brick, or flagstone.

10. Vanities or lavatories in Type A and B dwelling units may be located in the clear floor spaces as permitted in Section 1106.11.5.1.

11. Seats for bathtubs or showers are not required in Type B dwelling units.

12. In Type B dwelling units, the clear floor space for bathtubs or showers may be reduced to not less than 30

inches (760 mm) in width by 48 inches (1220 mm) in length.

1106.27.2 Adaptable fixtures for dwelling units.

1106.27.2.1 Grab bars. Grab bars may be omitted in bathing and toilet facilities within Type A or B dwelling units, provided that all structural reinforcements for grab bar installation are provided in the appropriate locations in the adjoining walls.

1106.27.2.2 Kitchen counters. Cabinets or shelving may be installed beneath the counter space required by Section 1106.12.2, provided that such cabinetry or shelving is not permanent, and is easily removable.

1106.27.2.3 Lavatories. Cabinets or shelving may be installed beneath bathroom lavatories provided that such cabinetry or shelving is not permanent, and is easily removable.

1106.27.2.4 Signage. Parking signage required by Section 1107.3 need not be installed in spaces designated for accessible dwelling units.

NEW SECTION

WAC 51-40-1107 Section 1107—Parking facilities.

Section 1107.1 Accessible Parking Required.

1107.1.1 General. For other than Group R, Division 1 apartment buildings, when parking lots or garage facilities are provided, accessible parking spaces shall be provided in accordance with Table No. 11-F.

1107.1.2 Inpatient and outpatient medical care facilities. For Group I, Division 1.1, 1.2 and 2 units and facilities specializing in the treatment of persons with mobility impairments on either an inpatient or outpatient basis, 20 percent of the parking spaces provided accessory to such units and facilities shall be accessible.

1107.1.3 Outpatient medical care facilities. For Group I, Division 1.1 and 1.2 Occupancies providing outpatient medical care facilities, 10 percent of the parking spaces provided accessory to such occupancies shall be accessible.

1107.1.4 Apartment buildings. For Group R, Division 1 apartment buildings where parking is provided, one accessible parking space shall be provided for each Type A dwelling unit and reserved for its occupants. In addition, where the total parking provided on a site exceeds 1 parking space per dwelling unit, not less than 2 percent, and in no case less than 1 space, of this additional parking shall be accessible.

1107.1.5 Van parking. For other than Group R, Division 1 apartment buildings, where accessible parking is required, one of every eight accessible parking spaces, or fraction thereof, shall be designed to be accessible to vans.

1107.1.6 Location of parking. Accessible parking spaces shall be located on the shortest possible accessible route of travel to an accessible building entrance. In facilities with multiple accessible building entrances with adjacent parking, accessible parking spaces shall be dispersed and located near the accessible entrances. Wherever practical, the accessible

route of travel shall not cross lanes of vehicular traffic. Where crossing traffic lanes is necessary, the route of travel shall be designated and marked as a crosswalk.

EXCEPTION: In multilevel parking structures, all accessible van parking spaces may be located on the same level.

Where a parking facility is not accessory to a particular building, accessible parking spaces shall be located on the shortest accessible route to an accessible pedestrian entrance to the parking facility.

1107.2 Design and Construction.

1107.2.1 General. When accessible parking spaces are required by this section, they shall be designed and constructed in accordance with this section.

1107.2.2 Size. Parking spaces shall be not less than 96 inches (2440 mm) in width and shall have an adjacent access aisle not less than 60 inches (1525 mm) in width. Van accessible parking spaces shall have an adjacent access aisle not less than 96 inches (2440 mm) in width.

Where two adjacent spaces are provided, the access aisle may be shared between the two spaces. Boundaries of access aisles shall be marked so that the aisles will not be used as parking space.

1107.2.3 Vertical clearance. Where accessible parking spaces are required for vans, the vertical clearance shall be not less than 114 inches (2895 mm) at the parking space and along at least one vehicle access route to such spaces from site entrances and exits.

1107.2.4 Slope. Accessible parking spaces and access aisles shall be located on a surface with a slope not to exceed 1 vertical in 48 horizontal.

1107.2.5 Surface. Parking spaces and access aisles shall be firm, stable, smooth, and slip-resistant.

1107.3 Signs. Every parking space required by this section shall be identified by a sign, centered between 3 and 5 feet (915 mm and 1525 mm) above the parking surface, at the head of the parking space. The sign shall include the International Symbol of Access and the phrase "State Disabled Parking Permit Required".

Van accessible parking spaces shall have an additional sign mounted below the International Symbol of Access identifying the spaces as "Van Accessible."

EXCEPTION: Where all of the accessible parking spaces comply with the standards for van accessible parking spaces.

(See also Section 1106.27.2)

NEW SECTION

WAC 51-40-1108 Section 1108—Passenger loading zones.

Section 1108.1 Location. Where provided, passenger loading zones shall be located on an accessible route of travel.

1108.2 Design and Construction.

1108.2.1 General. Passenger loading zones shall be designed and constructed in accordance with this section.

PERMANENT

1108.2.2 Size. Passenger loading zones shall provide an access aisle not less than 60 inches (1525 mm) in width by 20 feet (6 m) in length with the long dimension abutting and parallel to: A: the vehicle space on one side; and B: an accessible route of travel on the other.

1108.2.3 Slope. Such zones shall be located on a surface with a slope not exceeding 1 vertical in 48 horizontal.

PART III - ACCESSIBILITY FOR EXISTING BUILDINGS

NEW SECTION

WAC 51-40-1109 Section 1109—Scope.

Section 1109.1 General. The provisions of this part apply to renovation, alterations, and additions to existing buildings including those identified as historic buildings. This chapter includes minimum standards for removing architectural barriers, and providing and maintaining accessibility for persons with disabilities to existing buildings and their related facilities.

1109.2 Equivalent Facilitation. Departures from specific technical and scoping requirements of this part by the use of alternate methods are permitted where such methods will provide equivalent or greater access to, and usability of, the facility. Alternate methods shall permit individuals with disabilities to approach, enter, and use a site, building, facility or portion thereof; as easily, safely, conveniently, and independently as the specified method.

NEW SECTION

WAC 51-40-1110 Section 1110—Definitions.

Section 1110. For the purpose of this part, certain terms are designated as follows:

ALTERATION is any change, addition, or modification in construction or occupancy.

ALTERATION, SUBSTANTIAL is any alteration, where the total cost of all alterations (including but not limited to electrical, mechanical, plumbing, and structural changes) for a building or facility within any 12-month period amounts to 60 percent or more of the appraised value.

PATH OF TRAVEL means a continuous, unobstructed way of pedestrian passage by means of which an altered area may be approached, entered, and exited, and which connects the altered area with an exterior approach (including sidewalks, streets, and parking areas), an entry to the facility, and other parts of the facility. For the purposes of this part, the term path of travel also includes restrooms, telephones, and water fountains serving the altered area.

TECHNICALLY INFEASIBLE means that an alteration has little likelihood of being accomplished because existing structural conditions would require removing or altering a load-bearing member which is an essential part of the structural frame, or because site constraints prohibit modification or addition of elements, spaces, or features which are in full and strict compliance with the minimum requirements for new construction and necessary to provide accessibility.

NEW SECTION

WAC 51-40-1111 Section 1111—Additions.

Section 1111 Additions. New additions may be made to existing buildings without making the entire building comply, provided the new additions conform to the provisions of Part II of this chapter, except as follows:

1. **Entrances.** Where a new addition to a building or facility does not have an accessible entrance, at least one entrance in the existing building or facility shall be accessible.

2. **Accessible Route.** Where the only accessible entrance to the addition is located in the existing building or facility, at least one accessible route of travel shall be provided through the existing building or facility to all rooms, elements and spaces in the new addition which are required to be accessible.

3. **Toilet and Bathing Facilities.** Where there are no toilet rooms and bathing facilities in an addition and these facilities are provided in the existing building, then at least one toilet and bathing facility in the existing facility shall comply with Section 1106 or with Section 1112.3.7.

4. **Group I Occupancies.** Where patient rooms are added to an existing Group I Occupancy, a percentage of the additional rooms equal to the requirement of Section 1103.1.6, but in no case more than the total number of rooms required by Section 1103.1.6, shall comply with Section 1106.23. Where toilet or bathing facilities are part of the accessible rooms, they shall comply with Section 1106.11.

5. **Path of Travel.** Where an addition affects the access to or use of an area of primary function, to the maximum extent feasible, the path of travel to the area of primary function shall be made accessible.

EXCEPTION: Subject to the approval of the building official, the path of travel need not be made accessible if the cost of compliance with this part would exceed 20 percent of the total cost of construction, inclusive of the cost of eliminating barriers, within a 36-month period.

NEW SECTION

WAC 51-40-1112 Section 1112—Alterations.

Section 1112 Alterations.

1112.1 General.

1112.1.1 Compliance. Alterations to existing buildings or facilities shall comply with this section. No alteration shall reduce or have the effect of reducing accessibility or usability of a building, portion of a building, or facility. If compliance with this section is technically infeasible, the alteration shall provide accessibility to the maximum extent feasible.

EXCEPTION: Except when substantial as defined by Section 1110, alterations to Group R, Division I apartment buildings need not comply with this section.

1112.1.2 Existing elements. Where existing elements, spaces, essential features or common areas are altered, each such altered element, space, feature, or area shall comply with the applicable provisions of Part II of this chapter.

Where an alteration is to an area of primary function, to the maximum extent feasible, the path of travel to the altered area shall be made accessible. See also Appendix Chapter 11 Division II.

EXCEPTIONS:

1. An accessible route of travel need not be provided to altered elements, spaces or common areas which are not areas of primary function.
2. Areas of evacuation assistance need not be added to an altered building.
3. Subject to the approval of the building official, the path of travel need not be made accessible if the cost of compliance with this part would exceed 20 percent of the total cost of construction, inclusive of the cost of eliminating barriers, within an 36-month period.

1112.1.3 Installation of stairs or escalators. Where an escalator or new stairway is planned or installed requiring major structural changes, then a means of vertical transportation (e.g. elevator, platform lift) shall be provided in accordance with this chapter.

1112.1.4 Other requirements.

1112.1.4.1 Where alterations of single elements, when considered together, amount to an alteration of a room or space in a building or facility, the entire area or space shall be accessible.

1112.1.4.2 No alteration of an existing element, space or area of a building shall impose a requirement for greater accessibility than that which would be required for new construction.

1112.1.4.3 Where the alteration work is limited solely to the electrical, mechanical or plumbing system or hazardous materials removal, and does not involve the alteration, structural or otherwise, of any elements and spaces required to be accessible under these standards, Chapter 11 does not apply.

1112.1.4.4 Where alterations would increase the number of public pay telephones to four, with at least one in the interior, or where the facility has four or more public pay telephones and one or more is altered; at least one interior text telephone shall be provided in accordance with Section 1106.14.

1112.1.4.5 Where a building has an accessible entrance, altered entrances need not be made accessible unless they provide access to areas of primary function.

1112.1.4.6 Where sleeping rooms are altered in an existing Group R, Division 1 hotel, at least 1 sleeping room that complies with Section 1106.26 shall be provided for each 25 sleeping rooms or fraction thereof. In addition, at least 1 sleeping room for each 25 sleeping rooms or fraction thereof shall have telephones, visible alarms, and visible notification devices in accordance with Section 1103.1.8.3.

1112.1.4.7 Where patient bedrooms are altered in an existing Group I Occupancy, a percentage of the altered bedrooms equal to the requirement of Section 1103.1.6, but in no case more than the total number of bedrooms required by Section 1103.1.6, shall comply with Section 1106.23. Where toilet or bathing facilities are part of the accessible rooms, they shall comply with Section 1106.11.

1112.2 Substantial Alterations. Where substantial alteration as defined in Section 1110 occurs to a building or facility, the entire building or facility shall comply with Part II of this code.

EXCEPTIONS:

1. Areas of evacuation assistance need not be added to a substantially altered building.
2. Type B Dwelling units need not be provided in buildings which are substantially altered.

1112.3 Modifications.

1112.3.1 General. The following modifications set forth in this section may be used for compliance where the required standard is technically infeasible or when providing access to historic buildings.

1112.3.2 Ramps. Curb ramps and ramps constructed on existing sites, or in existing buildings or facilities, may have slopes and rises greater than specified in Part II of this chapter, where space limitations preclude the use of 1 vertical in 12 horizontal slope or less, provided that:

1. A slope not greater than 1 vertical in 10 horizontal is allowed for a maximum rise of 6 inches (152 mm).
2. A slope not greater than 1 vertical in 8 horizontal is allowed for a maximum rise of 3 inches (76 mm).
3. Slopes greater than 1 vertical in 8 horizontal are prohibited.

1112.3.3 Stairways. Full extension of stair handrails is not required when such extension would be hazardous or impossible due to plan configuration. When an accessible elevator is provided, existing stairs need not be made accessible.

1112.3.4 Elevators. Elevators shall comply with Chapter 296-81, Washington Administrative Code.

1112.3.5 Platform lifts. Upon the approval of the building official, platform lifts may be used in alterations, in locations in addition to those permitted in Part II of this chapter, if installation of an elevator is technically infeasible.

Platform lifts shall comply with Chapter 296-81 of the Washington Administrative Code.

1112.3.6 Doors.

1112.3.6.1 Clearance. When existing elements prohibit strict compliance with the clearance requirements, a projection of 5/8 inch (16 mm) maximum is permitted for the latch side door stop.

1112.3.6.2 Thresholds. Existing thresholds measuring 3/4 inch (19 mm) high or less which are modified to provide a beveled edge on each side, may be retained.

1112.3.7 Toilet rooms.

1112.3.7.1 Shared facilities. The addition of one unisex toilet facility accessible to all occupants on the floor may be provided in lieu of making existing toilet facilities accessible when it is technically infeasible to comply with either part of Chapter 11. The unisex facility shall be located in the same area as existing facilities.

1112.3.7.2 Number. The number of toilet facilities and water closets required by the Building Code may be reduced by one, in order to provide accessible features.

1112.3.7.3 Signage. When existing toilet facilities are altered and not all are made accessible, directional signage complying with Section 1106.16.3 and 1106.16.4 shall be provided indicating the location of the nearest accessible toilet facility.

1112.3.8 Assembly areas. Seating shall adjoin an accessible route of travel that also serves as a means of emergency egress or route to an area for evacuation assistance. In alterations, accessibility to raised or sunken dining areas, or to all parts of outdoor seating areas is not required provided that the same services and amenities are provided in an accessible space usable by the general public and not restricted to use by people with disabilities.

1112.3.9 Dressing rooms. Where it is technically infeasible to meet the requirements of Part II of this chapter, one dressing room for each sex, or a unisex dressing room, on each level shall be accessible.

NEW SECTION

WAC 51-40-1113 Section 1113—Historic preservation.

Section 1113.1 General. Generally the accessibility provisions of this part shall be applied to historic buildings and facilities as defined in Section 3403.5 of this code.

The building official, after consulting with the appropriate historic preservation officer, shall determine whether provisions required by this part for accessible routes of travel (interior or exterior), ramps, entrances, toilets, parking, or signage would threaten or destroy the historic significance of the building or facility.

If it is determined that any of the accessibility requirements listed above would threaten or destroy the historic significance of a building or facility, the modifications of Section 1112.3 for that feature may be utilized.

1113.2 Special Provisions. Where removing architectural barriers or providing accessibility would threaten or destroy the historic significance of a building or facility, the following special provisions may be used:

1. At least one accessible route from a site access point to an accessible route of travel shall be provided.

2. At least one accessible entrance which is used by the public shall be provided.

EXCEPTION: Where it is determined by the building official that no entrance used by the public can comply, access at any accessible entrance which is unlocked during business hours may be used provided directional signs are located at the primary entrance, and the accessible entrance has a notification system. The route of travel for the accessible entrance shall not pass through hazardous areas, storage rooms, closets, kitchens or spaces used for similar purposes.

3. Where toilet facilities are provided, at least one toilet facility complying with Section 1111 and 1112 shall be provided along an accessible route. Such toilet facility shall be a shared facility available to both sexes.

4. Accessible routes from an accessible entrance to all publicly used spaces, on at least the level of accessible entrance, shall be provided. Access should be provided to all levels of a building or facility when practical. Displays and written information and documents shall be located where they can be seen by a seated person.

NEW SECTION

WAC 51-40-1114 Section 1114—Appeal.

Section 1114.1 Request for Appeal. An appeal from the standards for accessibility for existing buildings may be filed with the building official in accordance with Section 105, when existing structural elements or physical constraints of the site prevent full compliance or would threaten or destroy the historical significance of a historic building.

1114.2 Review.

1114.2.1 Consideration of alternative methods. Review of appeal requests shall include consideration of alternative methods which may provide partial access.

1114.2.2 Waiver or modification of requirements. The appeals board may waive or modify the requirements of this section when it is determined that compliance with accessibility requirements would threaten or destroy the historic significance of a building or facility.

NEW SECTION

WAC 51-40-1191 Table No. 11-A.

**TABLE NO. 11-A
WHEELCHAIR SPACES REQUIRED IN ASSEMBLY AREAS**

Capacity of Seating in Assembly Area	Number of Required Wheelchair Spaces
4 to 25	1
26 to 50	2
51 to 300	4
301 to 500	6
over 500	6 plus 1 for each 100 over 500

NEW SECTION

WAC 51-40-1192 Table No. 11-B.

**TABLE NO. 11-B
REQUIRED TYPE A DWELLING UNITS**

Total Number of Dwelling Units on Site	Required Number of Type A Dwelling Units
0 - 10	None
11 - 20	1
21 - 40	2
41 - 60	3
61 - 80	4
81 - 100	5
For every 20 units or fractional part thereof, over 100	1 additional

PERMANENT

NEW SECTION

WAC 51-40-1193 Table No. 11-C.

**TABLE NO. 11-C
NUMBER OF ACCESSIBLE ROOMS AND ROLL-IN SHOWERS**

Total Number Of Rooms ¹	Minimum Required Accessible Rooms ¹	Rooms With Roll-In Showers
1 - 25	1	None
26 - 50	2	None
51 - 75	3	1
76 - 100	4	1
101 - 150	5	2
151 - 200	6	2
201 - 300	7	3
301 - 400	8	4
401 - 500	9	4 plus 1 for every 100
501 - 1000	2% of total rooms	rooms or fraction thereof,
Over 1000	20 plus 1 for every 100	over 400
	rooms or fraction thereof,	
	over 1000	

¹ For congregate residences the numbers in these columns shall apply to beds rather than rooms.

NEW SECTION

WAC 51-40-1194 Table No. 11-D.

PERMANENT

**TABLE NO. 11-D
NUMBER OF ACCESSIBLE ROOMS FOR PERSONS
WITH HEARING IMPAIRMENTS**

Total Number Of Rooms	Minimum Required Rooms
1 - 25	1
26 - 50	2
51 - 75	3
76 - 100	4
101 - 150	5
151 - 200	6
201 - 300	7
301 - 400	8
401 - 500	9
501 - 1000	2% of total rooms
Over 1000	20 plus 1 for every 100 rooms, or fraction thereof, over 1000

PERMANENT

NEWSECTION

WAC 51-40-1195 Table No. 11-E.

**TABLE NO. 11-E
REQUIRED CHECK-OUT AISLES**

Total Check-out Aisles Units on Site	Minimum Number of Accessible Check-out Aisles
1 - 4	1
5 - 8	2
9 - 15	3
Over 15	3 plus 20% of additional aisles

NEW SECTION

WAC 51-40-1196 Table No. 11-F.

**TABLE NO. 11-F
NUMBER OF ACCESSIBLE PARKING SPACES**

Total Parking Spaces in Lot or Garage	Minimum Required Number of Accessible Spaces
1 - 25	1
26 - 50	2
51 - 75	3
76 - 100	4
101 - 150	5
151 - 200	6
201 - 300	7
301 - 400	8
401 - 500	9
501 - 1000	2% of total spaces
Over 1000	20 spaces plus 1 space for every 100 spaces, or fraction thereof, over 1000

NEW SECTION

WAC 51-40-1203 Section 1203—Light and ventilation in Group R occupancies.

1203.3 Ventilation. Guest rooms and habitable rooms within a dwelling unit or congregate residence shall be provided with natural ventilation by means of openable exterior openings with an area of not less than one twentieth of the floor area of such rooms with a minimum of 5 square feet (0.46 m²).

In lieu of required exterior openings for natural ventilation, a mechanical ventilating system may be provided. Such system shall be capable of providing two air changes per hour in guest rooms, dormitories, habitable rooms and in public corridors with a minimum of 15 cubic feet per minute (7 L/s) of outside air per occupant during such time as the building is occupied.

Bathrooms, water closet compartments, laundry rooms and similar rooms shall be provided with natural ventilation

by means of openable exterior openings with an area not less than one twentieth of the floor area of such rooms with a minimum of 1 1/2 square feet (0.14 m²).

In lieu of required exterior openings for natural ventilation in bathrooms containing a bathtub or shower or combination thereof, laundry rooms, and similar rooms, a mechanical ventilation system connected directly to the outside capable of providing five air changes per hour shall be provided. The point of discharge shall be at least 3 feet (914 mm) from any opening which allows air entry into occupied portions of the building. Bathrooms which contain only a water closet or lavatory or combination thereof, and similar rooms may be ventilated with an approved mechanical recirculating fan or similar device designed to remove odors from the air.

NEW SECTION

WAC 51-40-1616 Section 1616—Definitions.

EXPOSURE D represents the most severe exposure in areas with basic wind speeds greater than 80 miles per hour (mph) (129 km/h) and has terrain which is flat and unobstructed facing large bodies of water over one mile (1.61 km) or more in width relative to any quadrant of the building site. Exposure D extends inland from the shoreline 1/4 mile (0.40 km) or 10 times the building height, whichever is greater.

NEW SECTION

WAC 51-40-1702 Section 1702—Structural observation.

Structural observation shall be provided in Seismic Zone 3 or 4 when one of the following conditions exists:

1. The structure is defined in Table 16-K as Occupancy Category I, II or III,
2. The structure is required to comply with Section 403,
3. The structure is in Seismic Zone 4, N_a as set forth in Table 16-S is greater than one, and a lateral design is required for the entire structure,

EXCEPTION: One- and two-story Group R, Division 3 and Group U Occupancies and one- and two-story Groups B, F, M and S Occupancies.

4. When so designated by the architect or engineer of record, or

5. When such observation is specifically required by the building official for unusual lateral force-resisting structures or irregular structures as defined in Section 1629.

The owner shall employ the engineer or architect responsible for the structural design, or another engineer or architect designated by the engineer or architect responsible for the structural design, to perform structural observations as defined in Section 220. Observed deficiencies shall be reported in writing to the owner's representative, special inspector, contractor and the building official. The structural observer shall submit to the building official a written statement that the site visits have been made and identifying any reported deficiencies that, to the best of the structural observer's knowledge, have not been resolved.

NEW SECTION

WAC 51-40-1909 Section 1909—Strength and serviceability requirements.

1909.3.4 In *Seismic Zones 3 and 4*, strength-reduction factors ϕ shall be as given above except for the following:

1909.3.4.1 *The shear strength-reduction factor shall be 0.6 for the design of walls, topping slabs used as diaphragms over precast concrete members and structural framing members, with the exception of joints, if their nominal shear strength is less than the shear corresponding to development of their nominal flexural strength. The nominal flexural strength shall be determined corresponding to the most critical factored axial loads including earthquake effects. The shear strength-reduction factor for joints shall be 0.85.*

1909.3.4.2 is not adopted.

NEW SECTION

WAC 51-40-23110 Wood structural panel and particleboard shear walls tables.

TABLE 23-II-I-1—ALLOWABLE SHEAR FOR WIND OR SEISMIC FORCES IN POUNDS PER FOOT FOR WOOD STRUCTURAL PANEL SHEAR WALLS WITH FRAMING OF DOUGLAS FIR-LARCH OR SOUTHERN PINE^{1,2,3}

PANEL GRADE	MINIMUM NOMINAL PANEL THICKNESS (Inches) x 25.4 for mm	MINIMUM NAIL PENETRATION IN FRAMING (Inches)	PANELS APPLIED DIRECTLY TO FRAMING				PANELS APPLIED OVER 1/2-INCH (13 mm) OR 5/8-INCH (16 mm) GYPSUM SHEATHING					
			Nail Size (Common or Galvanized Box) ⁴	Nail Spacing at Panel Edges (in.)				Nail Size (Common or Galvanized Box) ⁴	Nail Spacing at Panel Edges (in.)			
				x 25.4 for mm					x 25.4 for mm			
				6	4	3	2		6	4	3	2
x 0.0146 for N/mm												
Structural I	5/16	1 1/4	6d	200	300	390	510	8d	200	300	390	510
	3/8	1 1/2	8d	230 ⁴	360 ⁴	460 ⁴	610 ⁴	10d	280	430	550	730
	7/16			255 ⁴	395 ⁴	505 ⁴	670 ⁴					
	1 5/32			280	430	550	730					
1 5/32	1 5/8	10d	340	510	665	870	—	—	—	—		
C-D, C-C Sheathing, plywood panel siding and other grades covered in UBC Standard 23-2 or 23-3	5/16	1 1/4	6d	180	270	350	450	8d	180	270	350	450
	3/8	1 1/2	8d	200	300	390	510	10d	260	380	490	640
	7/16			220 ⁴	320 ⁴	410 ⁴	530 ⁴					
	1 5/32			240 ⁴	350 ⁴	450 ⁴	585 ⁴					
	1 5/32	1 5/8	10d	260	380	490	640	—	—	—	—	
	19/32	1 5/8	10d	310	460	600	770	—	—	—	—	—
19/32	340			510	665	870						
Plywood panel siding in grades covered in UBC Standard 23-2	5/16	1 1/4	6d	140	210	275	360	8d	140	210	275	360
	3/8	1 1/2	8d	160	240	310	410	10d	160	240	310	410

¹All panel edges backed with 2-inch (51 mm) nominal or wider framing. Panels installed either horizontally or vertically. Space nails at 6 inches (152 mm) on center along intermediate framing members for 3/8-inch (9.5 mm) and 7/16-inch (11 mm) panels installed on studs spaced 24 inches (610 mm) on center and 12 inches (305 mm) on center for other conditions and panel thicknesses. These values are for short-time loads due to wind or earthquake and must be reduced 25 percent for normal loading. Allowable shear values for nails in framing members of other species set forth in Division III, Part III, shall be calculated for all other grades by multiplying the shear capacities for nails in Structural I by the following factors: 0.82 for species with specific gravity greater than or equal to 0.42 but less than 0.49, and 0.65 for species with a specific gravity less than 0.42.

²Where panels are applied on both faces of a wall and nail spacing is less than 6 inches (152 mm) on center on either side, panel joints shall be offset to fall on different framing members or framing shall be 3-inch (76 mm) nominal or thicker and nails on each side shall be staggered.

³In seismic zone 4, where allowable shear values exceed 350 pounds per foot (5.11 N/mm), foundation sill plates and all framing members receiving edge nailing from abutting panels shall not be less than a single 3-inch (76 mm) nominal member. Nails shall be staggered.

⁴The values for 3/8-inch (9.5 mm) and 7/16-inch (11 mm) panels applied direct to framing may be increased to values shown for 1 5/32-inch (12 mm) panels, provided studs are spaced a maximum of 16 inches (406 mm) on center or panels are applied with long dimension across studs.

⁵Galvanized nails shall be hot-dipped or tumbled.

TABLE 23-II-I-2—ALLOWABLE SHEAR IN POUNDS PER FOOT FOR PARTICLEBOARD SHEAR WALLS WITH FRAMING OF DOUGLAS FIR-LARCH OR SOUTHERN PINE^{1,2,3}

PANEL GRADE	MINIMUM NOMINAL PANEL THICKNESS (Inches) x 25.4 for mm	MINIMUM NAIL PENETRATION IN FRAMING (Inches)	PANELS APPLIED DIRECT TO FRAMING				
			Nail size (Common or Galvanized Box)	Allowable Shear (pounds per foot) ¹ Nail Spacing at Panel Edges (Inches)			
				x 25.4 for mm			
				6	4	3	2
x 0.0146 for N/mm							
M-S ⁴ and M-2 ⁴	3/8	1 1/2	6d	120	180	230	300
	3/8	1 1/2	8d	130	190	240	315
	1 1/2			140	210	270	350
	1 1/2			185	275	360	460
	3/8	1 5/8	10d ⁵	200	305	395	520

¹All panel edges backed with 2-inch (51 mm) nominal or wider framing. Space nails at 6 inches (152 mm) on center along intermediate framing members for 3/8-inch (9.5 mm) panel installed with the long dimension parallel to studs spaced 24 inches (610 mm) on center and 12 inches (305 mm) on center for other conditions and panel thicknesses. These values are for short-time loads due to wind or earthquake and must be reduced 25 percent for normal loading.

Allowable shear values for nails in framing members of other species set forth in Division III, Part III, shall be calculated for all grades by multiplying the values for common and galvanized box nails by the following factors: Group III, 0.82 and Group IV, 0.65.

²Where particleboard is applied on both faces of a wall and nail spacing is less than 6 inches (152 mm) on center on either side, panel joints shall be offset to fall on different framing members, or framing shall be 3-inch (76 mm) nominal or thicker and nails on each side shall be staggered.

³In seismic zone 4, where allowable shear values exceed 350 pounds per foot (5.11 N/mm) foundation sill plates and all framing members receiving edge nailing from abutting panels shall not be less than a single 3-inch (76 mm) nominal member. Nails shall be staggered.

⁴Products shall be manufactured with exterior glue and shall be identified with the words "Exterior Glue" following the product grade designation.

⁵Framing at adjoining panel edges shall be 3-inch (76 mm) nominal or wider and nails shall be staggered where 10d nails having penetration into framing of more than 1 5/8 inches (41 mm) are spaced 3 inches (76 mm) or less on center.

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NEW SECTION**WAC 51-40-2406 Section 2406—Safety glazing.**

2406.4 Hazardous Locations. The following shall be considered specific hazardous locations for the purposes of glazing:

1. Glazing in ingress and egress doors except jalousies.
2. Glazing in fixed and sliding panels of sliding door assemblies and panels in swinging doors other than wardrobe doors.
3. Glazing in storm doors.
4. Glazing in all unframed swinging doors.
5. Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any portion of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1525 mm) above a standing surface and drain inlet.
6. Glazing in fixed or operable panels adjacent to a door where the nearest exposed edge of the glazing is within a 24-inch (610 mm) arc of either vertical edge of the door in a closed position and where the bottom exposed edge of the glazing is less than 60 inches (1525 mm) above the walking surface.

7. Glazing in an individual fixed or operable panel, other than those locations described in Items 5 and 6, that meets all of the following conditions:

- 7.1 Exposed area of an individual pane greater than 9 square feet (0.84 m²).
- 7.2 Exposed bottom edge less than 18 inches (457 mm) above the floor.
- 7.3 Exposed top edge greater than 36 inches (914 mm) above the floor.
- 7.4 One or more walking surfaces within 36 inches (914 mm) horizontally of the plane of the glazing.

8. Glazing in railings regardless of height above a walking surface. Included are structural baluster panels and nonstructural in-fill panels.

EXCEPTION: The following products and applications are exempt from the requirements for hazardous locations as listed in Items 1 through 8:

1. Glazing in Item 6 when there is an intervening wall or other permanent barrier between the door and the glazing.
2. Glazing in Item 7 when a protective bar is installed on the accessible sides of the glazing 34 inches (864 mm) to 38 inches (965 mm) above the floor. The bar shall be capable of withstanding a horizontal load of 50 pounds per linear foot (729 N/m) without contacting the glass and be a minimum of 1 1/2 inches (38 mm) in height.
3. Outboard pane in insulating glass units and in other multiple glazed panels in Item 7 when the bottom exposed edge of the glass is 25 feet (7620 mm) or more above any grade, roof, walking surface, or other horizontal or sloped (within 45 degrees of horizontal) surface adjacent to the glass exterior.
4. Openings in door through which a 3-inch-diameter (76.2 mm) sphere will not pass.
5. Assemblies of leaded, faceted or carved glass in Items 1, 2, 6 and 7 when used for decorative purposes.
6. Curved panels in revolving door assemblies.

7. Doors in commercial refrigerated cabinets.

8. Glass block panels complying with Section 2110.

9. Glazing in walls and fences used as the barrier for indoor and outdoor swimming pools and spas when all of the following conditions are present:

9.1 The bottom edge of the glazing is less than 60 inches (1525 mm) above the pool side of the glazing.

9.2 The glazing is within 5 feet (1525 mm) of a swimming pool or spa water's edge.

10. Glazing in walls at stairway landings within the width of the stair and within 5 feet (1525 mm) beyond the bottom and top of flights of stairs, where the bottom edge of the glazing is less than 60 inches (1525 mm) above a walking surface.

NEW SECTION**WAC 51-40-2900 Chapter 29—Plumbing systems.****SECTION 2901—PLUMBING CODE.**

Plumbing systems shall comply with the Plumbing Code.

SECTION 2902—GENERAL**2902.1 Number of Fixtures.**

2902.1.1 Requirements. Plumbing fixtures shall be provided in the minimum number shown in Table 29-A and in this Chapter. Where the proposed occupancy is not listed in Table 29-A, the building official shall determine fixture requirements based on the occupancy which most nearly resembles the intended occupancy.

2902.1.2 Private offices. Fixtures only accessible to private offices shall not be counted to determine compliance with this section.

2902.1.3 Occupancy load distribution. The occupant load shall be divided equally between the sexes, unless data approved by the building official indicates a different distribution of the sexes.

2902.1.4 Food preparation areas. In food preparation, serving and related storage areas, additional fixture requirements may be dictated by health codes.

2902.1.5 Other requirements. For other requirements for plumbing facilities, see Sections 302.6, 807, 313.5.5 and Chapter 11.

2902.2 Access to Fixtures.

2902.2.1 Location. Plumbing fixtures shall be located in each building or conveniently in a building adjacent thereto on the same property.

2902.2.2 Multiple tenants. Access to toilets serving multiple tenants shall be through a common use area and not through an area controlled by a tenant.

2902.2.3 Multi-story buildings. Required fixtures shall not be located more than one vertical story above or below the area served.

2902.3 Separate Facilities.

2902.3.1 Requirements. Separate toilet facilities shall be provided for each sex.

EXCEPTIONS:

1. In occupancies serving 10 or fewer persons, one toilet facility designed for use by no more than one person at a time shall be permitted for use by both sexes.

2. In Group B and M Occupancies with a total floor area of 1500 square feet (139.5 m²) or less, one toilet facility designed for use by no more than one person at a time shall be permitted for use by both sexes.

2902.3.2 Food service establishments. When customers and employees share the same facilities, customers accessing the facilities are excluded from food preparation and storage areas.

2902.4 Pay Facilities. Required facilities shall be free of charge. Where pay facilities are installed, they shall be in addition to the minimum required facilities.

2902.5 is not adopted.

2902.6 is not adopted.

SECTION 2903—SPECIAL PROVISIONS

2903.1 Dwelling Units. Dwelling units shall be provided with a kitchen sink.

2903.2 Water Closet Space Requirements. The water closet stool in all occupancies shall be located in a clear space not less than 30 inches (762 mm) in width, with a clear space in front of the stool of not less than 24 inches (610 mm).

2903.3 Water. Each required sink, lavatory, bathtub and shower stall shall be equipped with hot and cold running water necessary for its normal operation.

2903.4 Drinking Fountains.

2903.4.1 Number. Occupant loads over 30 shall have one drinking fountain for the first 150 occupants, then one per each additional 500 occupants.

EXCEPTIONS:

1. Sporting facilities with concessions serving drinks shall have one drinking fountain for each 1000 occupants.

2. A drinking fountain need not be provided in a drinking or dining establishment.

2904.2 Multi-story buildings. Drinking fountains shall be provided on each floor having more than 30 occupants in schools, dormitories, auditoriums, theaters, offices and public buildings.

2903.4.3 Penal Institutions. Penal institutions shall have one drinking fountain on each cell block floor and one on each exercise floor.

2903.4.4 Location. Drinking fountains shall not be located in toilet rooms.

SECTION 2904 is not adopted.

TABLE 29-A -- MINIMUM PLUMBING FIXTURES 1,2,4,6

TYPE OF BUILDING OR OCCUPANCY	WATER CLOSETS (fixtures per person)		LAVATORIES ⁵ (fixtures per person)		BATHTUB OR SHOWER (fixtures per person)
	MALE ³	FEMALE	MALE	FEMALE	
For the occupancies listed below, use 30 square feet (2.79 m ²) per occupant for the minimum number of plumbing fixtures.					
Group A Conference rooms, dining rooms, drinking establishments, exhibit rooms, gymnasiums, lounges, stages and similar uses including restaurants classified as Group B Occupancies	1:1-25 2:26-75 3:76-125 4:126-200 5:201-300 6:301-400 Over 400, add one fixture for each additional 200 males or 150 females.	1:1-25 2:26-75 3:76-125 4:126-200 5:201-300 6:301-400	one per 2 water closets		
For the assembly occupancies listed below, use the number of fixed seating or, where no fixed seating is provided, use 15 square feet (1.39 m ²) per occupant for the minimum number of plumbing fixtures.					
Assembly places -- Theaters, auditoriums, convention halls, dance floors, lodge rooms, casinos, and such places which have limited time for fixture use (intermissions)	1:1-100 2:101-200 3:201-400 Over 400, add one fixture for each additional 250 males or 50 females.	One per 25 up to 400	1:1-200 2:201-400 3:401-750 Over 750, add one fixture for each additional 500 persons.	1:1-200 2:201-400 3:401-750	

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TABLE 29-A -- MINIMUM PLUMBING FIXTURES 1,2,4,6 (continued)

TYPE OF BUILDING OR OCCUPANCY	WATER CLOSETS (fixtures per person)		LAVATORIES ⁵ (fixtures per person)		BATHTUB OR SHOWER (fixtures per person)
	MALE ³	FEMALE	MALE	FEMALE	
For the assembly occupancies listed below, use the number of fixed seating or, where no fixed seating is provided, use 15 square feet (1.39 m ²) per occupant for the minimum number of plumbing fixtures.					
Group A Assembly places -- Stadiums, arena and other sporting facilities where fixture use is not limited to intermissions.	1:1-100 2:101-200 3:201-400 Over 400, add one fixture for each additional 300 males or 100 females.	One per 50 up to 400	1:1-200 2:201-400 3:401-750 Over 750, add one fixture for each additional 500 persons.	1:1-200 2:201-400 3:401-750	
For the assembly occupancies listed below, use the number of fixed seating or, where no fixed seating is provided, use 30 square feet (2.79 m ²) per occupant for the minimum number of plumbing fixtures.					
Worship places Principal assembly area	one per 150	one per 75	one per 2 water closets		
Worship places Educational and activity unit	one per 125	one per 75	one per 2 water closets		
For the occupancies listed below, use 200 square feet (18.58 m ²) per occupant for the minimum number of plumbing fixtures					
Group B and other clerical or administrative employee accessory use	1:1-15 2:16-35 3:36-55 Over 55, add one for each additional 50 persons.	1:1-15 2:16-35 3:36-55	one per 2 water closets		

TABLE 29-A -- MINIMUM PLUMBING FIXTURES 1,2,4,6 (continued)

TYPE OF BUILDING OR OCCUPANCY	WATER CLOSETS (fixtures per person)		LAVATORIES ⁵ (fixtures per person)		BATHTUB OR SHOWER (fixtures per person)
	MALE ³	FEMALE	MALE	FEMALE	
For the occupancies listed below, use 100 square feet (9.3 m ²) per student for the minimum number of plumbing fixtures.					
Group E	1:1-15	1:1-15			
Schools -- for staff use	2:16-35	2:16-35	one per two water closets		
All schools (One staff per 20 students)	3:36-55	3:36-55			
	Over 55, add one fixture for each additional 40 persons.				
Schools -- for student use	1:1-20	1:1-20	1:1-20	1:1-20	
Day care	2:21-50	2:21-50	2:21-50	2:21-50	
	Over 50, add one fixture for each additional 50 persons.		Over 50, add one fixture for each additional 50 persons.		
Elementary	one per 30	one per 25	one per two water closets		
Secondary	one per 40	one per 30	one per two water closets		
For the occupancies listed below, use 50 square feet (4.65 m ²) per occupant for the minimum number of plumbing fixtures.					
Education Facilities other than Group E					
Others (colleges, universities, adult centers, etc.)	one per 40	one per 25	one per two water closets		
For the occupancies listed below, use 2,000 square feet (185.8 m ²) per occupant for the minimum number of plumbing fixtures.					
Group F and Group H	1:1-10	1:1-10	one per two water closets		one shower for each 15 persons exposed to excessive heat or to skin contamination with irritating materials
Workshop, foundries and similar establishments, and hazardous occupancies	2:11-25	2:11-25			
	3:26-50	3:26-50			
	4:51-75	4:51-75			
	5:76-100	5:76-100			
	Over 100, add one fixture for each additional 30 persons.				

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TABLE 29-A -- MINIMUM PLUMBING FIXTURES ^{1,2,4,6} (continued)

TYPE OF BUILDING OR OCCUPANCY	WATER CLOSETS (fixtures per person)		LAVATORIES ⁵ (fixtures per person)		BATHTUB OR SHOWER (fixtures per person)
	MALE ³	FEMALE	MALE	FEMALE	
For the occupancies listed below, use the designated application and 200 square feet (18.58 m ²) per occupant of the general use area for the minimum number of plumbing fixtures.					
Group I ⁷					
Hospital waiting rooms	one per room (usable by either sex)		one per room		
Hospital general use areas	1:1-15 2:16-35 3:36-55 Over 55, add one fixture for each additional 40 persons.	1:1-15 3:16-35 4:36-55	one per two water closets		
Hospital patient rooms:					
Single Bed	one adjacent to and directly accessible from		one per toilet room		one per toilet room
Isolation	one adjacent to and directly accessible from		one per toilet room		one per toilet room
Multi-Bed	one per four patients		one per four patients		one per eight patients
Long-term	one per four patients		one per four patients		one per 15 patients
Jails and reformatories					
Cell	one per cell		one per cell		
Exercise room	one per exercise room		one per exercise room		
Other institutions (on each occupied floor)	one per 25	one per 25	one per two water closets		one per eight
Group LC For Group LC Occupancies, the minimum number of plumbing fixtures is specified in Section 313.5.5.					
For the occupancies listed below, use 200 square feet (18.58 m ²) per occupant for the minimum number of plumbing fixtures.					
Group M					
Retail or wholesale stores	1:1-50 2:51-100 3:101-400 Over 400, add one fixture for each additional 300 males or 150 females.	1:1-50 2:51-100 3:101-200 4:201-300 5:301-400	one per two water closets		

TABLE 29-A -- MINIMUM PLUMBING FIXTURES ^{1,2,4,6} (continued)

TYPE OF BUILDING OR OCCUPANCY	WATER CLOSETS (fixtures per person)		LAVATORIES ⁵ (fixtures per person)		BATHTUB OR SHOWER (fixtures per person)
	MALE ³	FEMALE	MALE	FEMALE	
For Group R Occupancies, dwelling units and hotel guest rooms, use the table below. For congregate residences, use 200 square feet (18.58 m ²) per occupant for Group R, Division 1 Occupancies and 300 square feet (27.87 m ²) per occupant for Group R, Division 3 Occupancies for the minimum number of plumbing fixtures.					
Group R Dwelling units	one per dwelling unit		one per dwelling unit		one per dwelling unit
Hotel guest rooms	one per guest room		one per guest room		one per guest room
Congregate residences	one per 10	one per 8	one per 12	one per 12	one per eight
	Over 10, add one fixture for each additional 25 males and over 8, add one for each additional 20 females.		over 12, add one fixture for each additional 20 males and one for each additional 15 females.		For females, add one additional unit per each additional 30. Over 150 persons, add one additional unit per each additional 20 persons.
For the occupancies listed below, use 5,000 square feet (464.5 m ²) per occupant for the minimum number of plumbing fixtures.					
Group S Warehouses	1:1-10 2:11-25 3:26-50 4:51-75 5:76-100 Over 100, add one for each 30 persons.	1:1-10 2:11-25 3:26-50 4:51-75 5:76-100	One per 40 occupants of each sex.		one shower for each 15 persons exposed to excessive heat or to skin contamination with poisonous, infectious or irritating materials.

¹The figures shown are based on one fixture being the minimum required for the number of persons indicated or any fraction thereof.

²For occupancies not shown, see Section 2902.1.1.

³Where urinals are provided, one water closet less than the number specified may be provided for each urinal installed, except the number of water closets in such cases shall not be reduced to less than one quarter (25%) of the minimum specified. For men's facilities serving 26 or more persons, not less than one urinal shall be provided.

⁴For drinking fountains, see Section 2903.4.

⁵Twenty-four inches (610 mm) of wash sink or 18 inches (457 mm) of a circular basin, when provided with water outlets for such space, shall be considered equivalent to one lavatory.

⁶For when a facility may be usable by either sex, see Section 2902.3.1.

⁷See WAC 246-318-690 for definitions, other fixtures and equipment for hospitals.

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NEW SECTION**WAC 51-40-3004 Hoistway venting.****SECTION 3004—Hoistway Venting.**

Shafts (hoistways) housing elevators extending through more than two floor levels shall be vented to the outside. The area of the vent shall not be less than 3 1/2 percent of the area of the elevator shaft, provided a minimum of 3 square feet (0.279 m²) per elevator is provided. Vents shall be capable only of manual operation or controlled by a manual switch mounted in an approved location.

The venting of each individual hoistway shall be independent from any other hoistway venting, and the interconnection of separate hoistways for the purpose of venting is prohibited.

NEW SECTION**WAC 51-40-3102 Section 3102—Chimneys, fireplaces and barbecues.**

3102.5.4 Emission Standards for Factory-built Fireplaces. After January 1, 1997, no new or used factory-built fireplace shall be installed in Washington State unless it is certified and labeled in accordance with procedures and criteria specified in the UBC Standard 31-2.

To certify an entire fireplace model line, the internal assembly shall be tested to determine its particulate matter emission performance. Retesting and recertifying is required if the design and construction specifications of the fireplace model line internal assembly change. Testing for certification shall be performed by a Washington State Department of Ecology (DOE) approved and U.S. Environmental Protection Agency (EPA) accredited laboratory.

3102.7.14 Emission Standards for Certified Masonry and Concrete Fireplaces. After January 1, 1997, new certified masonry or concrete fireplaces installed in Washington State shall be tested and labeled in accordance with procedures and criteria specified in the UBC Standard 31-2.

To certify an entire fireplace model line, the internal assembly shall be tested to determine its particulate matter emission performance. Retesting and recertifying is required if the design and construction specifications of the fireplace model line internal assembly change. Testing for certification shall be performed by a Washington State Department of Ecology (DOE) approved and U.S. Environmental Protection Agency (EPA) accredited laboratory.

NEW SECTION**WAC 51-40-31200 Section 31-2—Standard test method for particulate emissions from fireplaces.****UNIFORM BUILDING CODE STANDARD 31-2
STANDARD TEST METHOD FOR PARTICULATE
EMISSIONS FROM FIREPLACES**

See Sections 3102.5.4 and 3102.7.14, *Uniform Building Code*

SECTION 31.200—TITLE and SCOPE.**SECTION 31.200.1—TITLE.**

This Appendix Chapter 31-2 shall be known as the "Washington State Standard Test Method for Particulate Emissions from Fireplaces" and may be cited as such; and will be referred to herein as "this Standard".

SECTION 31.200.2—SCOPE.

This Standard covers emissions performance, approval/certification procedures, test laboratory accreditation, record keeping, reporting requirements, and the test protocol for measuring particulate emissions from fireplaces.

All testing, reporting and inspection requirements of this Standard shall be conducted by a Washington State Department of Ecology (DOE) approved testing laboratory. In order to qualify for DOE approval, the test laboratory must be a U.S. Environmental Protection Agency (EPA) accredited laboratory (40 CFR Part 60, Subpart AAA). DOE may approve a test laboratory upon submittal of the following information:

1. A copy of their U.S. EPA accreditation certificate; and
2. A description of their facilities, test equipment, and test-personnel qualifications including education and work experience.

DOE may revoke a test laboratory approval when the test laboratory is no longer accredited by the U.S. EPA or if DOE determines that the test laboratory does not adhere to the testing requirements of this Chapter.

SECTION 31.201—DEFINITIONS. For the purpose of this Standard certain terms are defined as follows:

ANALYZER CALIBRATION ERROR is the difference between the gas concentration exhibited by the gas analyzer and the known concentration of the calibration gas when the calibration gas is introduced directly to the analyzer.

BURN RATE is the average rate at which test-fuel is consumed in a fireplace measured in kilograms of wood (dry basis) per hour (kg/hr) during a test-burn.

CALIBRATION DRIFT is the difference in the analyzer reading from the initial calibration response at a mid-range calibration value after a stated period of operation during which no unscheduled maintenance, repair, or adjustment took place.

CALIBRATION GAS is a known concentration of Carbon Dioxide (CO₂), Carbon Monoxide (CO), or Oxygen (O₂) in Nitrogen (N₂).

CERTIFICATION or AUDIT TEST is the completion of at least one, three-fuel-load test-burn cycle in accordance with Section 31.202.

FIREBOX is the chamber in the fireplace in which a test-fuel charge(s) is placed and combusted.

FIREPLACE is a wood burning device which is exempt from U.S. EPA 40 CFR Part 60, Subpart AAA and:

1. is not a cookstove, boiler, furnace, or pellet stove as defined in 40 CFR Part 60, Subpart AAA, and
2. is not a masonry heater as defined in Section 31.201, and

3. see Section 3102, Uniform Building Code for definitions of masonry and factory-built fireplaces as used in this Standard.

FIREPLACE DESIGN is the construction and/or fabrication specifications including all dimensions and materials required for manufacturing or building fireplaces with identical combustion function and particulate emissions factors.

FIREPLACE MODEL LINE is a series of fireplace models which all have the same internal assembly. Each model in a model line may have different facade designs and external decorative features.

FIREPLACE, CERTIFIED, is a fireplace that meets the emission performance standards when tested according to UBC Standard 31-2.

FIREPLACE, NON-CERTIFIED, (masonry or concrete) is any fireplace that is not a certified fireplace. A non-certified fireplace will be subject to applicable burn ban restrictions.

INTERNAL ASSEMBLY is the core construction and firebox design which produces the same function and emissions factor for a fireplace model line.

MASONRY HEATER is a heating system of predominantly masonry construction having a mass of at least 800 kg (1760 lbs), excluding the chimney and foundation, which is designed to absorb a substantial portion of the heat energy from a rapidly-burned charge of solid fuel by:

a) routing of exhaust gases through internal heat exchange channels in which the flow path downstream of the firebox includes at least one 180 degree change in flow direction, usually downward, before entering the chimney, and

b) being constructed of sufficient mass such that under normal operating conditions the external surface of the heater, except in the region immediately surrounding the fuel loading door(s), does not exceed 110°C (230°F).

Masonry heaters shall be listed or installed in accordance with ASTM E-1602.

RESPONSE TIME is the amount of time required for the measurement system to display 95 percent of a step change in gas concentration.

SAMPLING SYSTEM BIAS is the difference between the gas concentrations exhibited by the analyzer when a known concentration gas is introduced at the outlet of the sampling probe and when the sample gas is introduced directly to the analyzer.

SPAN is the upper limit of the gas concentration measurement range (25 percent for CO₂, O₂, and 5 percent for CO).

TEST FACILITY is the area in which the fireplace is installed, operated, and sampled for emissions.

TEST FUEL LOADING DENSITY is the weight of the as-fired test-fuel charge per unit area of usable firebox floor (or hearth).

TEST-BURN is an individual emission test which encompasses the time required to consume the mass of three consecutively burned test-fuel charges.

TEST-FUEL CHARGE is the collection of test fuel pieces placed in the fireplace at the start of certification test.

USABLE FIREBOX AREA is the floor (or hearth) area, within the fire chamber of a fireplace upon which a fire may be, or is intended to be built. Usable firebox area is calculated using the following definitions:

1. Length. The longest horizontal fire chamber dimension along the floor of the firebox that is parallel to a wall of the fire chamber.

2. Width. The shortest horizontal fire chamber dimension along the floor of the firebox that is parallel to a wall of the fire chamber.

3. For angled or curved firebox walls and/or sides, the effective usable firebox area shall be determined by calculating the sum of standard geometric areas or sub-areas of the firebox floor.

If a fireplace has a floor area within the fire chamber which is larger than the area upon which it is intended that fuel be placed and burned, the usable firebox area shall be calculated as the sum of standard geometric areas or sub-areas of the area intended for fuel placement and burning. For fireplace grates which elevate the fuel above the firebox floor, usable firebox area determined in this manner shall be multiplied by a factor of 1.5. The weight of test-fuel charges for fireplace-grate usable-firebox-area tests, shall not exceed the weight of test-fuel charges determined for the entire fireplace floor area.

ZERO DRIFT is the difference in the analyzer reading from the initial calibration response at the zero concentration level after a stated period of operation during which no unscheduled maintenance, repair, or adjustment took place.

Section 31.202—Testing.

31.202.1 Applicability. This method is applicable for the certification and auditing of fireplace particulate emission factors. This method describes the test facility, fireplace installation requirements, test-fuel charges, and fireplace operation as well as procedures for determining burn rates and particulate emission factors.

31.202.2 Principle. Particulate matter emissions are measured from a fireplace burning prepared test-fuel charges in a test facility maintained at a set of prescribed conditions.

31.202.3 Test Apparatus.

31.202.3.1 Fireplace Temperature Monitors. Device(s) capable of measuring flue-gas temperature to within 1.5 percent of expected absolute temperatures.

31.202.3.2 Test Facility Temperature Monitor. A thermocouple located centrally in a vertically oriented pipe shield 6 inches (150 mm) long, 2 inches (50 mm) diameter that is open at both ends, capable of measuring air temperature to within 1.5 percent of expected absolute temperatures.

31.202.3.3 Balance. Balance capable of weighing the test-fuel charge(s) to within 0.1 lb (0.05 kg).

31.202.3.4 Moisture Meter. Calibrated electrical resistance meter for measuring test-fuel moisture to within 1 percent moisture content (dry basis).

31.202.3.5 Anemometer. Device capable of detecting air velocities less than 20 ft/min (0.10 m/sec), for measuring air velocities near the fireplace being tested.

31.202.3.6 Barometer. Mercury, aneroid or other barometer capable of measuring atmospheric pressure to within 0.1 inch Hg (2.5 mm Hg).

31.202.3.7 Draft Gauge. Electromanometer or other device for the determination of flue draft (i.e., static pressure) readable to within 0.002 inches of water column (0.50 Pa).

31.202.3.8 Combustion Gas Analyzer. Combustion gas analyzers for measuring Carbon Dioxide (CO₂), Carbon Monoxide (CO), and Oxygen (O₂) in the fireplace exhaust-gas stream must meet all of the following measurement system performance specifications:

1. **Analyzer Calibration Error.** Shall be less than ± 2 percent of the span value for the zero, mid-range, and high-range calibration gases.

2. **Sampling System Bias.** Shall be less than ± 5 percent of the span value for the zero, mid-range, and high-range calibration gases.

3. **Zero Drift.** Shall be less than ± 3 percent of the span over the period of each run.

4. **Calibration Drift.** Shall be less than ± 3 percent of the span value over the period of each run.

5. **Response Time.** Shall be less than 1.5 minutes.

31.202.4 Emissions Sampling Method. Use the emission sampler system (ESS) as described in Section 31.203.12 or an equivalent method as determined by the application of the U.S. EPA Method 301 Validation Procedure (Federal Register, December 12, 1992, Volume 57, Number 250, page 11998) and upon approval of DOE.

31.202.5 Fireplace Installation and Test Facility Requirements. The fireplace being tested must be constructed, if site-built, or installed, if manufactured, in accordance with the designer's/manufacture's written instructions. The chimney shall have a total vertical height above the base of the fire chamber of not less than 15 feet (4 600 mm). The fireplace chimney exit to the atmosphere must be freely communicating with the fireplace combustion makeup-air source. There shall be no artificial atmospheric pressure differential imposed between the chimney exit to the atmosphere and the fireplace makeup-air inlet.

31.202.6 Fireplace Aging and Curing. A fireplace of any type shall be aged before certification testing begins. The aging procedure shall be conducted and documented by the testing laboratory.

31.202.6.1 Catalyst-Equipped Fireplaces. Operate the catalyst-equipped fireplace using fuel described in Section 31.203. Operate the fireplace with a new catalytic combustor in place and in operation for at least 50 hours. Record and report hourly catalyst exit temperatures, the hours of operation, and the weight of all fuel used.

31.202.6.2 Non-Catalyst-Equipped Fireplaces. Operate the fireplace using the fuel described in Section 31.203 for at least 10 hours. Record and report the hours of operation and weight of all fuel used.

31.202.7 Pretest Preparation. Record the test-fuel charge dimensions, moisture content, weights, and fireplace (and catalyst if equipped) descriptions.

The fireplace description shall include photographs showing all externally observable features and drawings showing all internal and external dimensions needed for fabrication and/or construction. The drawings must be verified as representing the fireplace being tested and signed by an authorized representative of the testing laboratory.

31.202.8 Test Facility Conditions. Locate the test facility temperature monitor on the horizontal plane that includes the primary air intake opening for the fireplace. Locate the temperature monitor 3 to 6 feet (1 000 to 2 000 mm) from the front of the fireplace in the 90° sector in front of the fireplace. Test facility temperatures shall be maintained between 65° and 90°F (18° and 32°C). Use an anemometer to measure the air velocity. Measure and record the room-air velocity within 2 feet (600 mm) of the test fireplace before test initiation and once immediately following the test-burn completion. Air velocity shall be less than 50 feet/minute (250 mm/second) without the fireplace operating.

Section 31.203—Test protocol.

31.203.1 Test Fuel. Fuel shall be air dried Douglas fir dimensional lumber or cordwood without naturally associated bark. Fuel pieces shall not be less than 1/2 nor more than 5/6 of the length of the average fire chamber width. Fuel shall be split or cut into pieces with no cross-sectional dimension greater than 6 inches (152 mm). Spacers, if used, shall not exceed 3/4 inches (19 mm) in thickness and 15 percent of the test-fuel charge weight. Fuel moisture shall be in the range of 16 to 20 percent (wet basis) or 19 to 25 percent (dry basis) meter reading.

31.203.2 Test-Fuel Loading Density. The wet (with moisture) minimum weight of each test-fuel charge shall be calculated by multiplying the hearth area in square feet by 7.0 pounds per square foot (square meters x 0.30 kg/m²) (± 10 percent). Three test-fuel charges shall be prepared for each test-burn.

31.203.3 Kindling. The initial test-fuel charge of the three test-fuel charge test-burn shall be started by using a kindling-fuel charge which is up to 50 percent of the first test-fuel charge weight. Kindling-fuel pieces can be any size needed to start the fire or whatever is recommended in the manufacturer's (builder's) instructions to consumers. The kindling-fuel charge weight is not part of the initial test-fuel charge weight but is in addition to it.

31.203.4 Test-Burn Ignition. The fire can be started with or without paper. If used, the weight of the paper must be included in test-fuel charge weight. The remainder of the test-fuel charge may be added at any time after kindling ignition except that the entire first test-fuel charge must be added within 10 minutes after the start of the test (i.e., the time at which the flue-gas temperature at the 8-foot (2 440

mm) level is over 25°F (14°C) greater than the ambient temperature of the test facility).

31.203.5 Test Initiation. Emissions and flue-gas sampling are initiated immediately after the kindling has been ignited and when flue-gas temperatures in the center of the flue at an elevation of 8 feet (2 440 mm) above the base (floor) of the fire chamber reach 25°F (14°C) greater than the ambient temperature of the test facility.

31.203.6 Sampling Parameters. Sampling (from the 8-foot [2 440 mm] flue-gas temperature measurement location) must include:

1. Particulate Emissions
2. Carbon Dioxide (CO₂)¹
3. Carbon Monoxide (CO)¹
4. Oxygen (O₂)¹
5. Temperature(s)

¹ These gases shall be measured on-line (real-time) and recorded at a frequency of not less than once every 5 minutes. These 5-minute readings are to be arithmetically averaged over the test-burn series or alternatively, a gas bag sample can be taken at a constant sample rate over the entire test-burn series and analyzed for the required gases within one hour of the end of the test-burn.

If a fireplace is equipped with an emissions control device which is located downstream from the 8-foot (2 440 mm) flue-gas temperature measurement location, a second temperature, particulate, and gaseous emissions sampling location must be located downstream from the emissions control device but not less than 4 flue diameters upstream from the flue exit to the atmosphere. The two sampling locations must be sampled simultaneously during testing for each fireplace configuration being tested.

31.203.7 Test-Fuel Additions and Test Completion. The second and third test-fuel charges for a test-burn may be placed and burned in the fire chamber at any time deemed reasonable by the operator or when recommended by the manufacturer's and/or builder's instructions to consumers.

No additional kindling may be added after the start of a test-burn series and the flue-gas temperature at the 8-foot (2 440 mm) level above the base of the hearth must always be 25°F (14°C) greater than the ambient temperature of the test facility for a valid test-burn series. Each entire test-fuel charge must be added within 10 minutes from the addition of the first piece.

A test (i.e., a three test-fuel charge test-burn series) is completed and all sampling and measurements are stopped when all three test-fuel charges have been consumed (to more than 90 percent by weight) in the firebox and the 8-foot (2 440 mm) level flue-gas temperature drops below 25°F (14°C) greater than the ambient temperature of the test facility. Within 5 minutes after the test-burn is completed and all measurements and sampling has stopped, the remaining coals and/or unburned fuel, shall be extinguished with a carbon dioxide fire extinguisher. All of the remaining coals, unburned fuel, and ash shall be removed from the firebox and weighed to the nearest 0.1 pound (0.05 kg). The weight of these unburned materials and ash shall be subtracted from the total test-burn fuel weight when calculating the test-burn rate. A test-burn is invalid if less than 90 percent of

the weight of the total test-fuel charges plus the kindling weight have been consumed in the fireplace firebox.

31.203.8 Test-Fuel Charge (Load) Adjustments. Test-fuel charges may be adjusted (i.e., repositioned) once during the burning of each test-fuel charge. The time used to make this adjustment shall be less than 15 seconds.

31.203.9 Air Supply Adjustment. Air supply controls, if the fireplace is equipped with controls, may not be adjusted during any test-burn series after the first 10 minutes of startup of each fuel load. All air supply settings must be set to the lowest level at the start of a test and shall remain at the lowest setting throughout a test-burn.

31.203.10 Auxiliary Fireplace Equipment Operation. Heat exchange blowers (standard or optional) sold with the fireplace shall be operated during all test-burns following the manufacturer's written instructions. If no manufacturer's written instructions are available, operate the heat exchange blower in the "high" position. (Automatically operated blowers shall be operated as designed.) Shaker grates, bypass controls, afterburners, or other auxiliary equipment may be adjusted only once per test-fuel charge following the manufacturer's written instructions. Record and report all adjustments on a fireplace operational written-record.

31.203.11 Fireplace Configurations. One, 3 test-fuel charge test-burn shall be conducted for each of the following fireplace operating configurations:

1. Door(s) closed, with hearth grate;
2. Door(s) open, with hearth grate;
3. Door(s) closed, without hearth grate;
4. Door(s) open, without hearth grate; and
5. With no doors, and draft inducer on.

No test-burn series is necessary for any configuration the appliance design cannot or is not intended to accommodate. If a configuration is not tested, the reason must be submitted with the test report and the appliance label must state that the appliance cannot be used in that configuration by consumer users.

One emission factor result, or one emission factor average, as provided in paragraph 31.203.11.2, from each fireplace configuration tested shall be compiled into an arithmetic average of all the configurations tested for determining compliance with the requirements of paragraph 31.204.2.

31.203.11.1 Closed-Door(s) Testing. For all closed-door test configurations, the door(s) must be closed within 10 minutes from the addition of the first test-fuel piece of each test-fuel charge in a test-burn. During a test-burn, the door(s) cannot be re-opened except during test-fuel reload and adjustment as referenced in Sections 31.203.7 and 31.203.8.

31.203.11.2 Additional Test-Burn. The testing laboratory may conduct more than one test-burn series for each of the applicable configurations specified in Section 31.203.11. If more than one test-burn is conducted for a specified configuration, the results from at least 2/3 of the test-burns for that configuration shall be used in calculating the arithmetic

average emission factor for that configuration. The measurement data and results of all tests conducted shall be reported regardless of which values are used in calculating the average emission factor for that configuration.

31.203.12 Emissions Sampling System (ESS).

31.203.12.1 Principle. Figure 31-2-1 shows a schematic of an ESS for sampling solid-fuel-fired fireplace emissions. Except as specified in Section 31.202.4, an ESS in this configuration shall be used to sample all fireplace emissions. The ESS shall draw flue gases through a 15 inch (380 mm) long, 3/8 inch (10 mm) O.D. stainless steel probe which samples from the center of the flue at an elevation which is 8 feet (2 440 mm) above the floor of the firebox (i.e., the hearth). A flue-gas sample shall then travel through a 3/8 inch (10 mm) O.D. Teflon® tube, and a heated U.S. EPA Method 5-type glass-fiber filter (40 CFR Part 60, Appendix A) for collection of particulate matter. The filter shall be followed by an in-line flow-through cartridge containing 20 grams of XAD-2 sorbent resin for collecting semi-volatile hydrocarbons. Water vapor shall then be removed from the sampled gas by a silica-gel trap. Flue-gas oxygen concentrations, which shall be used to determine the ratio of flue-gas volume to the amount of fuel burned, are measured within the ESS system by an electrochemical cell meeting the performance specifications presented in Section 31.202.3.8 (1.).

The ESS shall use a critical orifice to maintain a nominal flue-gas sampling rate of 0.035 cfm (0.0167 liters per second). The actual flow rate through each critical orifice shall be determined to within 0.000354 cubic feet (0.01 liters) per second before and after each test-burn with a bubble flow meter to document exact sampling rates. The post-test-burn critical-orifice flow-rate determinations shall be performed before the ESS is dismantled for sample recovery and clean-up. Pre-test-burn and post-test-burn critical-orifice flow-rate measurements shall be within 0.0000117 cubic feet (0.00033 liters) per second of each other or the test-burn emissions results shall be invalid. Temperatures shall be monitored using type K ground-isolated, stainless-steel-sheathed thermocouples.

The ESS unit shall return particle-free and dry exhaust gas to the flue via a 1/4 inch (6 mm) Teflon® line and a 15 inch (380 mm) stainless steel probe inserted into the flue. A subsample aliquot of the flue-gas sample-gas stream exiting the ESS unit, shall be pumped into a 1 cubic foot (29 liter) Tedlar® bag for measuring the average carbon dioxide, carbon monoxide, and confirmation of average oxygen concentrations for the test period. Flow to the subsample gas bag shall be controlled by a solenoid valve connected to the main pump circuit and a fine-adjust needle-controlled flow valve. The solenoid valve shall be open only when the pump is activated, allowing the subsample gas to be pumped into the gas bag at all times when the ESS pump is on. The rate of flow into the bag shall be controlled by the fine-adjust metering needle-valve which is adjusted at setup so that 4.7 to 5.2 gal (18 to 20 liters) of gas is collected over the entire 3 test-fuel charge test-burn without over-pressurizing the gas sample bag.

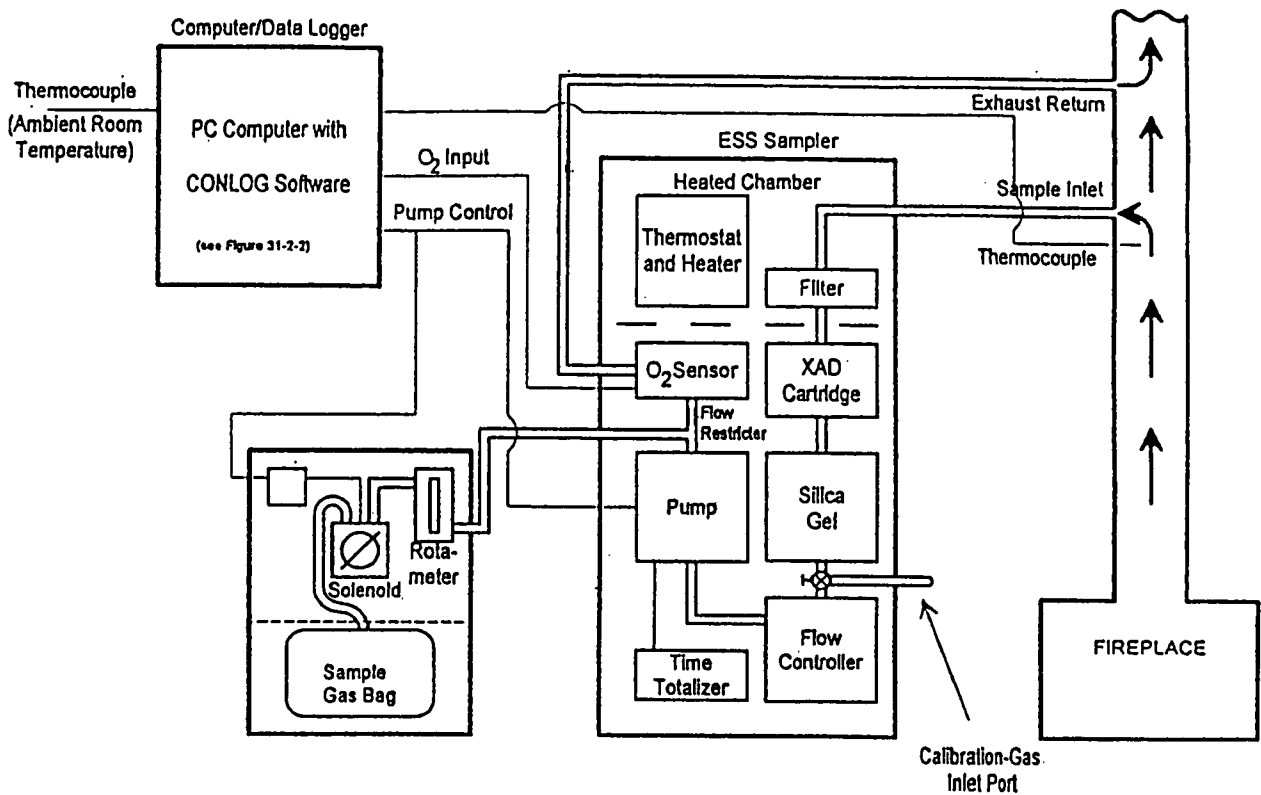


Figure 31-2-1. Schematic of ESS/Data Logger system.

31.203.12.2 The Data Acquisition and Control System. The data acquisition and control system for the ESS is shown in Figure 31-2-2. This system consists of a personal computer (PC) containing an analog-to-digital data processing board (12-bit precision), a terminal (connection) box, and specialized data acquisition and system control software (called CONLOG).

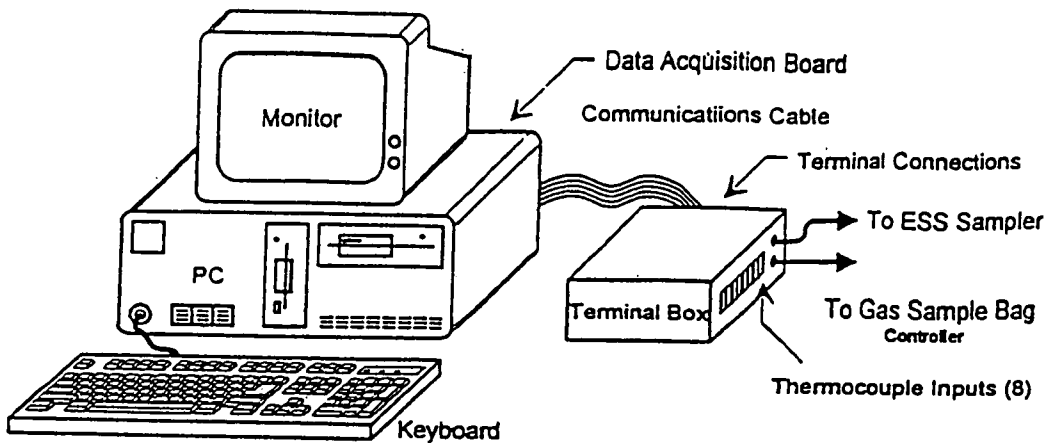


Figure 31-2-2. ESS data logger system.

For fireplace testing, the CONLOG software is configured to control, collect, and store the following data:

1. Test-period starting and ending times and dates, and total length of sampling period,
2. Pump-cycle on/off, cycle length and thermocouple (TC) cycle recording interval (frequency),

3. Temperature records, including flue-gas and ambient temperatures, averaged over pre-selected intervals,
4. Date, times, and weights of each added fuel load, and
5. Flue-gas oxygen measurements taken during each sample cycle.

During testing, instantaneous readings of real-time data shall be displayed on the system status screen. These data

shall include the date, time, temperatures for each of the TCs, and flue-gas oxygen concentrations. The most recent 15 sets of recorded data shall also be displayed.

Flue-gas sampling and the recording of flue-gas oxygen concentrations shall only occur when flue-gas temperatures are above 25°F (14°C) greater than the ambient temperature of the test facility. Temperatures and fueling shall always be recorded at five-minute intervals regardless of flue-gas temperature. The ESS sampling-pump operating cycle shall be adjustable as described in Section 31.203.12.3.

31.203.12.3 ESS Sampling-Pump Operating Cycle. The ESS sampling-pump operating cycle shall be adjusted to accommodate variable test-fuel charge sizes, emission factors, and the length of time needed to complete a test-burn series. The sampler-pump operation shall be adjustable from 1 second to 5 minutes (100 percent) "on" for every 5-minute test-burn data-recording interval. This will allow adjustment for the amount of anticipated emissions materials that will be sampled and deposited on the ESS filter, XAD-2, and the other system components. It is recommended that the minimum sample quantities stipulated in Section 31.203.12.4 be used to calculate the appropriate pump cycle "on" and "off" periods. It should be noted that if the sampler collects too much particulate material on the filter and in the XAD-2 cartridge, the unit may fail the sample flow calibration check required at the end of each test-burn.

31.203.12.4 Minimum Sample Quantities. For each complete 3 test-fuel charge test-burn, the ESS must catch a minimum total particulate material mass of at least 0.231 grains (15 mg). Alternatively, the ESS must sample a minimum of 10 cubic feet (283 liters) during each 3 test-fuel charge test-burn. If this volume cannot be sampled in the test-burn time period, two ESS samplers must be utilized to sample fireplace emissions simultaneously during each test-burn. If emissions results from the two ESSs are different by more than 10 percent of the lower emissions-factor result, the test-burn results are invalid. An arithmetic average is calculated for test-burn results when two ESSs are utilized.

31.203.12.5 Equipment Preparation and Sample Processing Procedures.

31.203.12.5.1. Prior to emissions testing, the ESS unit shall be prepared with a new, tared glass-fiber filter and a clean XAD-2 sorbent-resin cartridge. Within 3 hours after testing is completed, the stainless steel sampling probe, Teflon® sampling line, filter holder, and XAD-2 cartridge(s) shall be removed from the test site and transported to the laboratory for processing. Each component of the ESS sampler shall be processed as follows:

1. Filter: The glass fiber filter (4 inches (102 mm) in diameter) shall be removed from the ESS filter housing and placed in a petri dish for desiccation and gravimetric analysis.

2. XAD-2 sorbent-resin cartridge: The sorbent-resin cartridge shall be extracted in a Soxhlet extractor with dichloromethane for 24 hours. The extraction solution shall be transferred to a tared glass beaker and evaporated in an ambient-air dryer. The beaker with dried residue shall then be desiccated to constant weight (less than ± 0.5 mg change

within a 2-hour period), and the extractable residue shall be weighed.

3. ESS hardware: All hardware components which are in the flue-gas sample stream (stainless steel probe, Teflon® sampling line, stainless steel filter housing, and all other Teflon® and stainless steel fittings) through the top of the sorbent-resin cartridge, shall be cleaned with a solvent mixture of 50 percent dichloromethane and 50 percent methanol. The cleaning solvent solutions shall be placed in tared glass beakers, evaporated in an ambient-air dryer, desiccated to constant weight (less than ± 0.5 mg change within a 2-hour period), and weighed.

EPA Method 5H procedures (40 CFR Part 60, Appendix A) for desiccation and weighing time intervals shall be followed for steps 1 through 3 above.

31.203.12.5.2 The ESS shall be serviced both at the start and end of a fireplace testing period. During installation, leak checks shall be performed; the thermocouples, fuel-weighing scale, and oxygen-cell shall be calibrated, and the data logger shall be programmed. At the end of the test period, final calibration, and leak-check procedures shall again be performed, and the ESS sampling line, filter housing, XAD-2 cartridge, sampling probe, and Tedlar® bag shall be removed, sealed, and transported to the laboratory for analysis. If the pre-test and post-test leak checks of the ESS system exceed 0.00033 liters per second, the test-burn emission results shall be invalid.

31.203.12.6 Data Processing and Quality Assurance.

31.203.12.6.1 Upon returning to the laboratory facilities, the data file (computer disk) shall be reviewed to check for proper equipment operation. The data-logger data files, log books, and records maintained by field staff shall be reviewed to ensure sample integrity.

The computer-logged data file shall be used in conjunction with the ESS particulate samples and sample-gas bag analyses to calculate the emission factor, emission rate, and fireplace operational parameters. An example ESS results report is presented in Table 31-2-A.

31.203.12.6.2 Burning Period. The total burning period is calculated by:

Total Burning Period = (Length of each sample cycle) x (Number of flue temperature readings over 25°F (14°C) greater than the ambient temperature of the test facility).

WHERE:

1. Length of each sample cycle: The time between each temperature recording as configured in the CONLOG software settings (standardized at 5 minutes).

2. Number of flue temperature readings during fireplace use: The total number of temperature readings when the calibrated temperature value was more than 25°F (14°C) greater than the ambient temperature of the test facility.

31.203.12.6.3 Particulate Emissions.

31.203.12.6.3.1 ESS Particulate Emission Factor. The equation for the total ESS particulate emission factor for each test-burn presented below produces reporting units of grams per dry kilogram of fuel burned (g/kg):

$$\text{Particulate emission factor (g/kg)} = \frac{(\text{Particulate Catch}) \times (\text{Stoichiometric Volume}) \times (\text{Flue-gas Dilution Factor})}{(\text{Sampling Time}) \times (\text{Sampling Rate})}$$

WHERE:

1. Particulate Catch: The total mass, in grams, of particulate material caught on the filter, in the XAD-2 resin cartridge (semi-volatile compounds); and in the probe clean-up and rinse solutions.

2. Stoichiometric Volume: Stoichiometric volume is the volume of dry air needed to completely combust one dry kilogram of fuel with no "excess air". This value is determined by using a chemical reaction balance between the specific fuel being used and the chemical components of air. The stoichiometric volume for Douglas fir is 86.78 cubic feet per pound (5 404 liters per dry kilogram) at 68°F (20°C) and 29.92 inches (760 mm) of mercury pressure.

3. Flue-gas Dilution Factor: The degree to which the sampled combustion gases have been diluted in the flue by air in excess of the stoichiometric volume (called excess air). The dilution factor is obtained by using the average sampled carbon dioxide and carbon monoxide values obtained from the sample gas bag analyses and the following equation.

$$18.53 + \left(\left(1 - \left(\frac{(\text{CO}_2 + 1/2 \text{ CO})}{18.53} \right) \right) \right) \times 2.37$$

$$\text{Flue-Gas Dilution Factor} = \frac{\text{Flue-Gas Dilution Factor} = \text{_____}}{(\text{CO}_2 + 1/2 \text{ CO})}$$

Note: Multiplying the g/kg emission factor by the burn rate (dry kg/hr) yields particulate emissions in grams per hour (g/hr). Burn rate is calculated by the following equation:

$$\text{Burn Rate (kg/hr)} = \frac{\text{Total Fuel (kg)}}{\text{Total Burn Period (hours)}}$$

WHERE:

Total Fuel is the total fuel added during the entire test-burn minus the remaining unburned materials at the end of the test-burn.

4. Sampling Time: The number of minutes the sampler pump operated during the total test-burn period.

5. Sampling Rate: Sampling rate is controlled by the critical orifice installed in the sampler. The actual calibrated sampling rate is used here.

31.203.12.6.3.2 EPA Method 5H Particulate Emissions. ESS-measured emissions factors submitted to DOE for approval must first be converted to U.S. EPA Method 5H equivalents. The ESS particulate emissions factor results obtained in Section 31.203.12.6.1 are converted to be equivalent to the U.S. EPA Method 5H emissions factor results by the following equation:

$$1.254 + (0.302 \times \text{PEF}) + (1.261 \times 10^{-\text{PEF}})$$

WHERE:

PEF is the ESS-measured particulate emission factor for a test-burn.

31.203.12.6.4 CO Emissions. The carbon monoxide (CO) emission factor equation produces grams of CO per dry kilogram of fuel burned. The grams per kilogram equation includes some equation components described above.

$$\text{CO emission factor (g/kg)} = \frac{(\text{Fraction CO}) \times (\text{Stoich. Volume}) \times (\text{Dilution Factor}) \times (\text{Molecular Weight of CO})}{(24.45 \text{ L/mole})}$$

WHERE:

1. Fraction CO: The fraction of CO measured in the gas sampling bag.

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Note: Percent CO divided by 100 gives the fraction CO.

2. Molecular Weight of CO: The gram molecular weight of CO, 28 pounds per pound-mole (28.0 g/g-mole).
 Multiplying the results of the above equation by the burn rate (dry kg/hr) yields the grams per hour (g/hr) CO emission rate.

Table 31-2-A Example ESS Data Results Format

ESS Emission Results

Test Facility Location: xxxx
 Test Laboratory: xxxx
 Test-Burn Number: xxxx
 Start Time/Date: xxxx
 End Time/Date: xxxx
 Fireplace Model: xxxx

TIME		CARBON MONOXIDE EMISSIONS	
Total Test Period	152.3 hours	Gram / Kilogram	48.0 g/kg
Total Burn Time	64.6 hours	Gram / Hour	64.0 g/hr
Flue >25 Degrees F above ambient temperature	42.4 %	Gram / Cubic Meter	1.25 g/m ³

ESS SETTINGS		AVERAGE TEMPERATURES	
ESS Sample Rate	1.004 l/min	Fuel-Gas Temperatures	275 °F
Sample Cycle	5.0 min		135 °C
Sample Time / Sample Cycle	0.443 min	Flue Exit Temperature	308 °F
			154 °C
		Test Facility Ambient Temperature	66 °F
			19 °C

TEST FUEL		AVERAGE FLUE-GAS CONCENTRATIONS	
Total Fuel Used (wet weight)	101.3 kg	Flue Oxygen (SE)	18.15 %
Ave. Fuel Moisture (dry basis)	17.7 %	Flue Oxygen (gas bag or analyzer)	18.05 %
Total Fuel Used (dry weight)	86.1 kg	Flue CO (gas bag or analyzer)	0.10 %
Average Test-Fuel Charge	14.5 kg	Flue CO ₂ (gas bag or analyzer)	2.60 %
Average Burn Rate	1.33 dry kg/hr		

PARTICULATE EMISSIONS (EPA Method 5H Equivalents)		BREAKDOWN OF ESS PARTICULATE SAMPLE	
Gram / Kilogram	2.6 g/kg	Rinse	25.5 mg
Gram / Hour	3.4 g/hr	XAD	6.3 mg
Gram / Cubic Meter	0.06 g/m ³	Filter	15.7 mg
		Blank	0.0 mg
		TOTAL	47.4 mg

Notes:
 NM = Not Measured, NA = Not Applicable, NU = Not Used
 Total time flue temperature greater than 25°F over ambient temperature.

TEST PERFORMED BY: XYZ Testing International, Olympia Washington, 98504

31.203.13 Calibrations.

31.203.13.1 Balance. Before each certification test, the balance used for weighing test-fuel charges shall be audited

by weighing at least one calibration weight (Class F) that corresponds to 20 percent to 80 percent of the expected test-fuel charge weight. If the scale cannot reproduce the value

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of the calibration weight within 0.1 lb (0.05 kg) or 1 percent of the expected test-fuel charge weight, whichever is greater, re-calibrate the scale before use with at least five calibration weights spanning the operational range of the scale.

31.203.13.2 Temperature Monitor. Calibrate the temperature monitor before the first certification test and semiannually thereafter.

31.203.13.3 Fuel Moisture Meter. Calibrate the fuel moisture meter as per the manufacturer's instructions before each certification test.

31.203.13.4 Anemometer. Calibrate the anemometer as specified by the manufacturer's instructions before the first certification test and semiannually thereafter.

31.203.13.5 Barometer. Calibrate the barometer against a mercury barometer before the first certification test and semiannually thereafter.

31.203.13.6 Draft Gauge. Calibrate the Draft Gauge as per the manufacturer's instructions; a liquid manometer does not require calibration.

31.203.13.7 ESS. The ESS shall be calibrated as specified in Section 31.203.12.1.

31.203.14 Reporting Criteria. Submit both raw and reduced data for all fireplace tests. Specific reporting requirements are as follows:

31.203.14.1 Fireplace Identification. Report fireplace identification information including manufacturer, model, and serial number. Include a copy of fireplace installation and operation manuals.

31.203.14.2 Test Facility Information. Report test facility location, temperature, and air velocity information.

31.203.14.3 Test Equipment Calibration and Audit Information. Report calibration and audit results for the test-fuel balance, test-fuel moisture meter, analytical balance, and sampling equipment including volume metering systems and gaseous analyzers.

31.203.14.4 Pretest Information and Conditions. Report all pretest conditions including test-fuel charge weight, fireplace temperatures, and air supply settings.

31.203.14.5 Particulate Emission Data. Report a summary of test results for all test-burns conducted and the arithmetically averaged emission factor for all test-burns used for certification. Submit copies of all data sheets and other records collected during the testing. Submit examples of all calculations.

31.203.14.6 Required Test Report Information and Suggested Format. Test report information requirements to be provided to DOE for approval/certification of fireplaces are presented in this Standard. The requirements are presented here in a recommended report format.

31.203.14.6.1 Introduction.

1. Purpose of test: Certification or audit.

2. Fireplace identification: Manufacturer, model number, catalytic/non-catalytic, and options. Include a copy of fireplace installation and operation manuals.

3. Laboratory: Name, location, and participants.

4. Test information: Date fireplace was received, date of tests, sampling methods used, and number of test-burns.

31.203.14.6.2 Summary and Discussion of Results.

1. Table of results: Test-burn number, burn rate, particulate emission factor (in U.S. EPA Method 5H equivalents), efficiency (if determined), and averages (indicate which test-burns are used).

2. Summary of other data: Test facility conditions, surface temperature averages, catalyst temperature averages, test-fuel charge weights, and test-burn times.

3. Discussion: Specific test-burn problems and solutions.

31.203.14.6.3 Process Description.

1. Fireplace dimensions: Volume, height, width, lengths (or other linear dimensions), weight, and hearth area.

2. Firebox configuration: Air supply locations and operation, air supply introduction location, refractory location and dimensions, catalyst location, baffle and by-pass location and operation (include line drawings and photographs).

3. Process operation during test: Air supply settings and adjustments, fuel bed adjustments, and draft.

4. Test fuel: Test fuel properties (moisture and temperature), test fuel description (include line drawing or photograph), and test fuel charge density.

31.203.14.6.4 Sampling Locations. Describe sampling location relative to fireplace. Include linedrawings and photographs.

31.203.14.6.5 Sampling and Analytical Procedures.

1. Sampling methods: Brief reference to operational and sampling procedures, and optional and alternative procedures used.

2. Analytical methods: Brief description of sample recovery and analysis procedures.

31.203.14.6.6 Quality Control and Assurance Procedures and Results.

1. Calibration procedures and results: Certification, sampling, and analysis procedures.

2. Test method quality control procedures: Leak-checks, volume-meter checks, stratification (velocity) checks, and proportionality results.

31.203.14.6.7 Appendices.

1. **Results and Example Calculations.** Include complete summary tables and accompanying examples of all calculations.

2. **Raw Data.** Include copies of all uncorrected data sheets for sampling measurements, temperature records, and sample recovery data. Include copies of all burn rate and fireplace temperature data.

3. **Sampling and Analytical Procedures.** Include detailed description of procedures followed by laboratory personnel in conducting the certification test, emphasizing

particularly, parts of the procedures differing from the prescribed methods (e.g., DOE approved alternatives).

4. Calibration Results. Summary of all calibrations, checks, and audits pertinent to certification test results including dates.

5. Participants. Test personnel, manufacturer representatives, and regulatory observers.

6. Sampling and Operation Records. Copies of uncorrected records of activities not included on raw data sheets (e.g., fireplace door open times and durations).

7. Additional Information. Fireplace manufacturer's written instructions for operation during the certification test and copies of the production-ready (print-ready) temporary and permanent labels required in Section 31.208 shall be included in the test report prepared by the test laboratory.

31.203.14.7 References.

1. Code of Federal Regulations, U.S. EPA Title 40, Part 60, Subpart AAA and Appendix A (40 CFR Part 60).

2. Barnett, S. G. and P. G. Fields, 1991, "In-Home Performance of Exempt Pellet Stoves in Medford, Oregon," prepared for U.S. Department of Energy, Oregon Department of Energy, Tennessee Valley Authority, and Oregon Department of Environmental Quality, July 1991.

3. Barnett, S. G. and R. R. Roholt, 1990, "In-Home Performance of Certified Pellet Stoves in Medford and Klamath Falls, Oregon," prepared for the U.S. Department of Energy, 1990.

4. Barnett, S. G., 1990, "Field Performance of Advanced Technology Woodstoves in Glens Falls, New York, 1988-1989," for New York State Energy Research and Development Authority, U.S. EPA, Coalition of Northeastern Governors, Canadian Combustion Research Laboratory, and the Wood Heating Alliance, December 1989.

Section 31.204—Approval procedure for fireplaces.

On or after the effective date of this regulation, a manufacturer or builder of a fireplace who wishes to have a fireplace model line or fireplace design designated as an approved (or certified) fireplace, shall submit to DOE for its review the following information:

31.204.1 Manufacturer name and street address, model or design identification, construction specifications, and drawings of the firebox and required chimney system.

31.204.2 A test report prepared in accordance with Section 31.203.14.6 showing that testing has been conducted by a DOE approved and U.S. EPA accredited laboratory, and that the arithmetically averaged particulate emission factors for that fireplace model line or design, tested in accordance with UBC Standard Section 31.202, does not exceed 7.3 g/kg (U.S. EPA Method 5H equivalent as determined in Section 31.203.12.6.3.2) for a factory-built fireplace model lines or designs or 12.0 g/kg (U.S. EPA Method 5H equivalent as determined in Section 31.203.12.6.3.2) for new certified masonry fireplace model lines or designs. After January 1, 1999, particulate emission factors for factory-built and new certified masonry fireplace model lines or designs shall not

exceed 7.3 g/kg (U.S. EPA Method 5H equivalents as determined in Section 31.203.12.6.3.2).

Section 31.205—Approval of non-tested fireplaces.

On or after the effective date of this regulation, DOE may grant approval for a fireplace model line or design that has not been tested pursuant to Section 31.204 upon submission of the following by the applicant:

31.205.1 Manufacturer name and street address, model or design identification, construction specifications, and drawings of the internal assembly system.

31.205.2 Documentation from an EPA accredited laboratory that the model is a fireplace within the definition of this regulation, has substantially the same core construction as a model already tested by a DOE approved and EPA accredited laboratory, and is substantially similar to the approved model in internal assembly design, combustion function, and probable emissions performance as listed in Section 31.204.2.

Section 31.206—Approval through alternative test protocol.

As provided in Section 31.202.4, an alternative testing protocol may be submitted by a DOE approved and EPA accredited laboratory for acceptance by DOE as equivalent to Uniform Building Code Standard 31-2.

Section 31.207—Approval termination.

All fireplace model line or design approvals shall terminate five years from the approval date. Previously approved fireplace model line and/or design may be granted re-approval (re-certification) upon application to and review by DOE. No testing shall be required for fireplace model line or design re-approvals unless DOE determines that design changes have been incorporated into the fireplace that could adversely affect the emissions factor, or testing is otherwise stipulated by DOE.

DOE may revoke a fireplace model line or design approval certification if it is determined that the fireplaces being produced in a specific model line do not comply with the requirements of Section 31.200. Such a determination shall be based on all available evidence, including:

1. Test data from a retesting (audit test) of the original unit on which the certification test was conducted or a sample unit from the current model line;
2. A finding that the certification test was not valid;
3. A finding that the labeling of the fireplace does not comply with the requirements of Section 31.200;
4. Failure by the fireplace manufacturer (builder) to comply with reporting and record keeping requirements under Section 31.200;
5. Physical examination showing that a significant percentage of production units inspected are not similar in all material respects to the fireplace submitted for testing; or
6. Failure of the manufacturer to conduct a quality assurance program in conformity with Section 31.208.

Revocation of certification under this section shall not take effect until the manufacturer (builder) concerned has been given written notice by DOE setting forth the basis for the proposed determination and an opportunity to request a hearing.

Section 31.208—Quality control.

Once within 30 days of each annual anniversary after the initial approval/certification, a DOE approved and U.S. EPA accredited laboratory shall inspect the most recently produced fireplace of an approved model line or design at its manufacturing location (site, if site-built) to document adherence to the approved/certified fireplace design specifications. If no fireplaces of an approved model line or design were produced (built) during the previous 12 months, no inspection is required.

An inspection report for each approved fireplace model line or design must be submitted to DOE within 30 days after the inspection date. The inspection report shall include, as a minimum, the model identification and serial number of the fireplace inspected, the location where the model was inspected, the names of the manufacturer's and/or builder's representatives present, the date of inspection, and a description of any changes made to the approved fireplace model line or design since the last inspection. The U.S. EPA accredited laboratory which conducts the annual quality control inspection is responsible for auditing the content and format of all labels to be applied to approved fireplaces as stipulated in Section 31.209.

A fireplace model line or design shall be re-tested in accordance with Section 31.202 if it is determined during inspection that design changes have been incorporated into the approved/certified fireplace design which adversely affect the fireplace particulate emissions factor. Design elements which can affect fireplace particulate emissions include:

1. Grate placement and height;
2. Air supply minimum and maximum controls;
3. Usable hearth area; and
4. Firebox height, width, and length dimensions.

Section 31.209—Permanent label, temporary label and owner's manual.

31.209.1 Labels and the Owner's Manual. Labels and owner's manual shall be prepared and installed in all certified "For Sale" fireplaces as specified in U.S. EPA 40 CFR Part 60, Section 60.536. Information that shall be presented on all labels includes:

1. Manufacturer's or builder's name, address, and phone number;
2. Model number and/or name;
3. Month and year of manufacture;
4. Starting and ending dates for the 5-year approval period;
5. If a fireplace was tested and approved with an emissions control device which is not an integral part of the fireplace structure, the label shall state that "The fireplace

can not be sold or installed without the specified emissions control device in place and operational.";

6. On certified fireplaces the statement: "This appliance has been tested and has demonstrated compliance with Washington State amendment to the UBC Standard, Chapter 31-2 requirements."

Section 31.210—List of approved fireplaces.

DOE shall maintain a list of approved fireplace model lines and designs, and that list shall be available to the public.

Reviser's note: The brackets and enclosed material in the text of the above section occurred in the copy filed by the agency and appear in the Register pursuant to the requirements of RCW 34.08.040.

NEW SECTION

WAC 51-40-3404 Section 3404—Moved buildings.

Buildings or structures moved into or within a jurisdiction shall comply with the provisions of this code, the Uniform Mechanical Code (chapter 51-42 WAC), the Uniform Fire Code and Standards (chapters 51-44 and 51-45 WAC), the Uniform Plumbing Code and Standards (chapters 51-46 and 51-47 WAC), the Washington State Energy Code (chapter 51-11 WAC) and the Washington State Ventilation and Indoor Air Quality Code (chapter 51-13 WAC) for new buildings or structures.

EXCEPTION: Group R, Division 3 buildings or structures are not required to comply if:

1. The original occupancy classification is not changed, and
2. The original building is not substantially remodeled or rehabilitated. For the purposes of this section a building shall be considered to be substantially remodeled when the costs of remodeling exceed 60 percent of the value of the building exclusive of the costs relating to preparation, construction, demolition or renovation of foundations.

NEW SECTION

WAC 51-40-93115 Section 93115.

THIS APPENDIX IS FOR REFERENCE ONLY. IT IS NOT THE RESPONSIBILITY OF THE BUILDING OFFICIAL TO ENFORCE IT.

APPENDIX CHAPTER 11 DIVISION I

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT FEDERAL FAIR HOUSING ACT GUIDELINES FOR SITE TERRAIN EXEMPTIONS

93115.1 Purpose. The purpose of this division is to provide the United States Department of Housing and Urban Development Federal Fair Housing Act Guidelines for Site Terrain Exemptions.

93115.2 Scope.

93115.2.1 General. The provisions of this division may apply to all buildings and dwelling units that are regulated by the Federal Fair Housing Act Amendments of 1988.

93115.2.2 Applicability of other provisions. Except as specifically allowed by this division for determining site

terrain exemptions, Group R, Division 1 apartment houses shall meet all applicable provisions of this code.

93115.3 Definitions. For the purpose of this division, certain terms are defined as follows:

COVERED MULTIFAMILY DWELLINGS means buildings consisting of four or more dwelling units if such buildings have one or more elevators; and ground floor dwelling units in other buildings consisting of four or more dwelling units. Dwelling units within a single structure separated by firewalls do not constitute separate buildings.

FINISHED GRADE means the ground surface of the site after all construction, leveling, grading, and development has been completed.

UNDISTURBED SITE means the site before any construction, leveling, grading, or development associated with the current project.

93115.4 Site Impracticality.

93115.4.1 General. Covered multifamily dwellings with elevators shall be designed and constructed to provide at least one accessible entrance on an accessible route, regardless of terrain or unusual characteristics of the site. Covered multifamily dwellings without elevators shall be designed and constructed to provide at least one accessible entrance on an accessible route unless terrain or unusual characteristics of the site are such that the following conditions are found to exist:

A. Site Impracticality Due to Terrain. There are two alternative tests for determining a site impracticality due to terrain: The individual building test provided in paragraph (1), or the site analysis test provided in paragraph (2). These tests may be used as follows.

A site with a single building having a common entrance for all units may be analyzed only as described in paragraph (1).

All other sites, including a site with a single building having multiple entrances serving either individual dwellings units or clusters of dwelling units, may be analyzed using the methodology in either paragraph (1) or paragraph (2). For these sites for which either test is applicable, regardless of which test is selected, at least 20% of the total ground floor units in nonelevator buildings, on any site, must comply with the guidelines.

1. Individual Building Test. It is impractical to provide an accessible entrance served by an accessible route when the terrain of the site is such that:

1.1. The slopes of the undisturbed site measured between the planned entrance and all vehicular or pedestrian arrival points within 50 feet (15 m) of the planned entrance exceed 10 percent.

1.2. The slopes of the planned finished grade measured between the entrance and all vehicular or pedestrian arrival points within 50 feet (15 m) of the planned entrance also exceed 10 percent.

If there are no vehicular or pedestrian arrival points within 50 feet (15 m) of the planned entrance, the slope for

the purpose of this paragraph (1) will be measured to the closest vehicular or pedestrian arrival point.

For purposes of these guidelines, vehicular or pedestrian arrival points include public or resident parking areas; public transportation stops; passenger loading zones; and public streets or sidewalks. To determine site impracticality, (1) the slope would be measured at ground level from the point of the planned entrance, or (2) if there are no vehicular or pedestrian arrival points close to the planned entrance. In the case of sidewalks, the closest point to the entrance will be where a public sidewalk entering the site intersects with the sidewalk to the entrance. In the case of resident parking areas, the closest point to the planned entrance will be measured from the entry point to the parking area that is located closest to the planned entrance.

2. Site Analysis Test. Alternatively, for a site having multiple buildings, or a site with a single building with multiple entrances, impracticality of providing an accessible entrance served by an accessible route can be established by the following steps:

2.1. The percentage of the total buildable area of the undisturbed site with a natural grade less than 10% slope shall be calculated. The analysis of the existing slope (before grading) shall be done on a topographic survey with two foot (610 mm) contour intervals with slope determination made between each successive interval. The accuracy of the slope analysis shall be certified by a professional licensed engineer, landscape architect, architect, or surveyor.

2.2. To determine the practicality of providing accessibility to planned multifamily dwellings based on the topography of the existing natural terrain, the minimum percentage of ground floor units to be made accessible should equal the percentage of the total buildable area (not including floodplain, wetlands, or other restricted use areas) of the undisturbed site that has an existing natural grade of less than 10% slope.

2.3. In addition to the percentage established in paragraph 2.2, all ground floor units in a building, or ground floor units served by a particular entrance, shall be made accessible if the entrance to the units is on an accessible route, defined as a walkway with a slope between the planned entrance and a pedestrian or vehicular arrival point that is no greater than 8.33%.

B. Site Impracticality Due to Unusual Characteristics. Unusual characteristics include sites located in a federally-designated floodplain or coastal high-hazard area and sites subject to other similar requirements of law or code that the lowest structural member of the lowest floor must be raised to a specified level at or above the base flood elevation. An accessible route to a building entrance is impractical due to unusual characteristics of the site when:

1. The unusual site characteristics result in a difference in finished grade elevation exceeding 30 inches (760 mm) and 10 percent measured between an entrance and all vehicular or pedestrian arrival points within 50 feet (15 m) of the planned entrance; or

2. If there are no vehicular or pedestrian arrival points within 50 feet (15 m) of the planned entrance, the unusual

characteristics result in a difference in finished grade elevation exceeding 30 inches (760 mm) and 10 percent measured between an entrance and the closest vehicular or pedestrian arrival point.

93115.4.2 Exceptions to site impracticality. Regardless of site considerations described in Section 93115.4.1, an accessible entrance on an accessible route is practical when:

A. There is an elevator connecting the parking area with the dwelling units on a ground floor. (In this case, those dwelling units on the ground floor served by an elevator, and at least one of each type of public and common use areas, would be subject to these guidelines.) However:

1. Where a building elevator is provided only as a means of creating an accessible route to dwelling units on a ground floor, the building is not considered an elevator building for purposes of these guidelines; hence, only the ground floor dwelling units would be covered.

2. If the building elevator is provided as a means of access to dwelling units other than dwelling units on a ground floor, then the building is an elevator building which is a covered multifamily dwelling, and the elevator in that building must provide accessibility to all dwelling units in the building, regardless of the slope of the natural terrain; or

B. An elevated walkway is planned between a building entrance and a vehicular or pedestrian arrival point and the planned walkway has a slope no greater than 10 percent.

NEW SECTION

WAC 51-40-93116 Section 93116.

THIS APPENDIX IS FOR REFERENCE ONLY. IT IS NOT THE RESPONSIBILITY OF THE BUILDING OFFICIAL TO ENFORCE IT.

APPENDIX CHAPTER 11

DIVISION II

AMERICANS WITH DISABILITIES ACT GUIDELINES FOR READILY ACHIEVABLE BARRIER REMOVAL

93116.1 Purpose. The purpose of this division is to provide the United States Department of Justice, Americans with Disabilities Act Guidelines for readily achievable barrier removal in existing buildings.

93116.2 Scope.

93116.2.1 General. The provisions of this division may be used as a guideline for the removal of readily achievable barriers to accessibility in existing buildings, as required by the Americans with Disabilities Act of 1990.

93116.2.2 Applicability of other provisions. Except as specifically allowed by this division, all buildings and portions thereof shall meet all applicable provisions of this code.

93116.3 Definitions. For the purpose of this division, certain terms are defined as follows:

COMMERCE is travel, trade, traffic, commerce, transportation, or communication—

1. Among the several States;

2. Between any foreign country or any territory or possession and any State; or

3. Between points in the same State but through another State or foreign country.

COMMERCIAL FACILITIES are facilities—

1. Whose operations will affect commerce;

2. That are intended for nonresidential use by a private entity; and

3. That are not—

- 3.1. Facilities that are covered or expressly exempted from coverage under the Fair Housing Act of 1968, as amended (42 U.S.C. 3601-3631);

- 3.2 Aircraft; or

- 3.3. Railroad locomotives, railroad freight cars, railroad cabooses, commuter or intercity passenger rail cars (including coaches, dining cars, sleeping cars, lounge cars, and food service cars), any other railroad cars described in Section 242 of the American's with Disabilities Act or covered under title II of the American's with Disabilities Act, or railroad rights-of-way. For purposes of this definition, "rail" and "railroad" have the meaning given the term "railroad" in Section 202(e) of the Federal Railroad Safety Act of 1970 (46 U.S.C. 431(e)).

PLACE OF PUBLIC ACCOMMODATION is a facility, operated by a private entity, whose operations affect commerce and fall within at least one of the following categories—

1. An inn, hotel, motel, or other place of lodging, except for an establishment located within a building that contains not more than five rooms for rent or hire and that is actually occupied by the proprietor of the establishment as the residence of the proprietor;

2. A restaurant, bar, or other establishment serving food or drink;

3. A motion picture house, theater, concert hall, stadium, or other place of exhibition or entertainment;

4. An auditorium, convention center, lecture hall, or other place of public gathering;

5. A bakery, grocery store, clothing store, hardware store, shopping center, or other sales or rental establishment;

6. A laundromat, dry-cleaner, bank, barber shop, beauty shop, travel service, shoe repair service, funeral parlor, gas station, office of an accountant or lawyer, pharmacy, insurance office, professional office of a health care provider, hospital, or other service establishment;

7. A terminal, depot, or other station used for specified public transportation;

8. A museum, library, gallery, or other place of public display or collection;

9. A park, zoo, amusement park, or other place of recreation;

10. A nursery, elementary, secondary, undergraduate, or postgraduate private school, or other place of education;

11. A day care center, senior citizen center, homeless shelter, food bank, adoption agency, or other social service center establishment; and

12. A gymnasium, health spa, bowling alley, golf course, or other place of exercise or recreation.

PRIVATE ENTITY is a person or entity other than a public entity.

PUBLIC ACCOMMODATION is a private entity that owns, leases (or leases to), or operates a place of public accommodation.

PUBLIC ENTITY is—

1. Any State or local government;
2. Any department, agency, special purpose district, or other instrumentality of a State or States or local government; and
3. The National Railroad Passenger Corporation, and any commuter authority (as defined in Section 103(8) of the Rail Passenger Service Act).

READILY ACHIEVABLE is easily accomplishable and able to be carried out without much difficulty or expense. In determining whether an action is readily achievable, factors to be considered include—

1. The nature and cost of the action needed under this part;
2. The overall financial resources of the site or sites involved in the action; the number of persons employed at the site; the effect on expenses and resources, or the impact otherwise of the action upon the operation of the site;
3. The overall financial resources of any parent corporation or entity; the overall size of the parent corporation or entity with respect to the number of its employees; the number, type, and location of its facilities;
4. The type of operation or operations of the parent corporation or entity, including the composition, structure, and functions of the work force of the parent corporation or entity; and
5. The geographic separateness, and the administrative or fiscal relationship of the site or sites in question to the parent corporation or entity.

93116.4 Removal of Barriers. A public accommodation shall remove architectural barriers in existing facilities, including communication barriers that are structural in nature, where such removal is readily achievable, i.e., easily accomplishable and able to be carried out without much difficulty or expense.

93116.5 Examples. Examples of steps to remove barriers include, but are not limited to, the following actions:

1. Installing ramps;
2. Making curb cuts in sidewalks and entrances;
3. Lowering shelves;
4. Rearranging tables, chairs, vending machines, display racks, and other furniture;
5. Lowering telephones;
6. Adding raised letter markings on elevator control buttons;
7. Installing flashing alarm lights;
8. Widening doors;
9. Installing offset hinges to widen doorways;
10. Eliminating a turnstile or providing an alternative accessible path;
11. Installing accessible door hardware;
12. Installing grab bars in toilet stalls;
13. Rearranging toilet partitions to increase maneuvering space;
14. Insulating lavatory pipes;
15. Installing a raised toilet seat;
16. Installing a full-length bathroom mirror;

17. Lowering the paper towel dispenser in a bathroom;
18. Creating a designated accessible parking space;
19. Installing an accessible paper cup dispenser at an existing inaccessible water fountain;
20. Removing high pile, low density carpeting; or
21. Modifying vehicle hand controls.

93116.6 Priorities. A public accommodation shall take measures to comply with the barrier removal requirements of this section in accordance with the following order of priorities:

1. First, a public accommodation shall take measures to provide access to a place of public accommodation from public sidewalks, parking, or public transportation. These measures include, for example, installing an entrance ramp, widening entrances, and providing accessible parking spaces.
2. Second, a public accommodation shall take measures to provide access to those areas of a place of public accommodation where goods and services are made available to the public. These measures include, for example, adjusting the layout of display racks, rearranging tables, widening doors, and installing ramps.
3. Third, a public accommodation shall take measures to provide access to restroom facilities in places of public accommodation where restroom facilities are used by the public on more than an incidental basis. These measures include, for example, removal of obstructing furniture or vending machines, widening of doors, installations of ramps, providing accessible signage, widening of toilet stalls, and installations of grab bars.
4. Fourth, a public accommodation shall take any other measures necessary to provide access to the goods, services, facilities, privileges, advantages, or accommodations of a place of public accommodation.

93116.7 Relationship to Alterations Requirements of Chapter 11, Part III of this Code. Measures taken solely to comply with the barrier removal requirements of this section are not required to conform to the requirements for alterations in Chapter 11, Part III of this code. These measures include, for example, installing a ramp with a steeper slope or widening a doorway to a narrower width than that required by Chapter 11, Part III of this code. No measure shall be taken, however, that poses a significant risk to the health or safety of individuals with disabilities or others. Barrier removal is required to conform to the Americans with Disabilities Act requirements for existing buildings.

93116.8 Portable Ramps. Portable ramps should be used to comply with this division only when installation of a permanent ramp is not readily achievable. In order to avoid any significant risk to the health or safety of individuals with disabilities or others in using portable ramps, due consideration shall be given to safety features such as nonslip surfaces, railings, anchoring, and strength of materials.

93116.9 Interpretation of Readily Achievable. The rearrangement of temporary or movable structures, such as furniture, equipment, and display racks is not readily achievable to the extent that it results in a significant loss of selling or serving space.

93116.10 Alternatives to Barrier Removal.

93116.10.1 General. Where a public accommodation can demonstrate that barrier removal is not readily achievable, a public accommodation shall not fail to make its goods and services, facilities, privileges, advantages, or accommodations available through alternative methods, if those methods are readily achievable.

93116.10.2 Examples. Examples of alternatives to barrier removal include, but are not limited to, the following actions:

1. Providing curb service or home delivery;
2. Retrieving merchandise from inaccessible shelves or racks;
3. Relocating activities to accessible locations;
4. Providing refueling service at inaccessible self-service gas stations.

93116.11 Personal Devices and Services. This section does not require a public accommodation to provide its customers, clients, or participants with personal devices, such as wheelchairs, or services of a personal nature including assistance in eating, toileting, or dressing.

93116.12 Multiscreen Cinemas. If it is not readily achievable to remove barriers to provide access by persons with mobility impairments to all of the theaters of a multiscreen cinema, the cinema shall establish a film rotation schedule that provides reasonable access for individuals who use wheelchairs to all films. Reasonable notice shall be provided to the public as to the location and time of accessible showings.

93116.13 Readily Achievable and Undue Burden: Factors to be Considered. In determining whether an action is readily achievable or would result in an undue burden, factors to be considered include:

1. The nature and cost of the action needed under this part;
2. The overall financial resources of the site or sites involved in the action; the number of persons employed at the site; the effect on expenses and resources, or the impact otherwise of the action upon the operation of the site;
3. The overall financial resources of any parent corporation or entity; the overall size of the parent corporation or entity with respects to the number of its employees; the number, type, and location of its facilities;
4. The type of operation or operations of the parent corporation or entity, including the composition, structure, and functions of the work force of the parent corporation or entity; and
5. The geographic separateness, and the administrative or fiscal relationship of the site or sites in question to the parent corporation or entity.

93116.14 Accessible or Special Goods.

93116.14.1 This part does not require a public accommodation to alter its inventory to include accessible or special goods that are designed for, or facilitate use by, individuals with disabilities.

93116.14.2 A public accommodation shall order accessible or special goods at the request of an individual with disabilities, if, in the normal course of its operation, it makes special orders on request for unstocked goods, and if the

accessible or special goods can be obtained from a supplier with whom the public accommodation customarily does business.

93116.14.3 Examples of accessible or special goods include items such as Braille versions of books, books on audio cassettes, closed-captioned video tapes, special sizes or lines of clothing, and special foods to meet particular dietary needs.

93116.15 Seating in Assembly Areas. To the extent that it is readily achievable, a public accommodation shall:

1. Provide a reasonable number of wheelchair seating spaces in assembly areas; and,
2. Locate the wheelchair seating spaces so that they:
 - 2.1. Are dispersed throughout the seating area;
 - 2.2. Provide lines of sight comparable to those in all viewing areas;
 - 2.3. Adjoin an accessible route of travel that also serves as a means of egress in case of emergency; and,
 - 2.4. Permit individuals who use wheelchairs to sit with family members or other companions.

EXCEPTION: If removal of seats is not readily achievable, a public accommodation shall provide a portable chair or other means to permit a family member or other companion to sit with an individual who uses a wheelchair.

NEW SECTION

WAC 51-40-93117 Section 93117.

THIS APPENDIX IS FOR REFERENCE ONLY. IT IS NOT THE RESPONSIBILITY OF THE BUILDING OFFICIAL TO ENFORCE IT.

**APPENDIX CHAPTER 11
DIVISION III
AMERICANS WITH DISABILITIES ACT
ALTERNATE GUIDELINES FOR DETECTABLE
WARNINGS**

93117.1 General. The purpose of this division is to provide additional design guidelines for construction and installation of truncated domes as required by the Americans with Disabilities Act of 1990.

93117.2 Raised Truncated Domes. Raised truncated domes shall have a diameter of 0.9 inches (23 mm) nominal, a height of 0.2 inches (5 mm) nominal and a center-to-center spacing of 2.35 (60 mm) inches nominal. Raised truncated domes shall comply with Appendix Chapter 11, Division V for visual contrast.

NEW SECTION

WAC 51-40-93118 Section 93118.

**APPENDIX CHAPTER 11
DIVISION IV
AMERICANS WITH DISABILITIES ACT
ALTERNATE GUIDELINES FOR AUDIBLE
ALARMS**

93118.1 Purpose. The purpose of this division is to provide the United States Department of Justice, Americans with Disabilities Act Guidelines for audible alarms.

93118.2 Audible Alarms. Audible alarms shall exceed the prevailing equivalent sound level in the room or space by at least 15 decibels, or shall exceed any maximum sound level with a duration of 30 seconds by 5 decibels, whichever is louder. Sound levels for alarm signals shall not exceed 120 decibels.

NEW SECTION

WAC 51-40-93119 Section 93119.

THIS APPENDIX IS FOR REFERENCE ONLY. IT IS NOT THE RESPONSIBILITY OF THE BUILDING OFFICIAL TO ENFORCE IT.

**APPENDIX CHAPTER 11
DIVISION V**

**AMERICANS WITH DISABILITIES ACT
ALTERNATE GUIDELINES FOR VISUAL
CONTRAST**

93119.1 Purpose. The purpose of this division is to provide the United States Department of Justice, Americans with Disabilities Act.

93119.2 Guidelines for Visual Contrast.

93119.2.1 Raised truncated domes. Raised truncated domes used as detectable warnings shall contrast visually by 70 percent with adjoining surfaces. Contrast in percent shall be determined as follows:

$$\text{Contrast} = [(B^1 - B^2) / B^1] \times 100$$

Where: B^1 = light reflectance value (LRV) of the lighter area;

and,

B^2 = light reflectance value (LRV) of the darker area.

The material used to provide contrast shall be an integral part of the walking surface.

93119.2.2 Signage. The characters and background of signs shall be eggshell (11 to 19 degree gloss on 60 degree glossimeter). Characters shall be light on a dark background (or dark on a light background) and contrast with their background by at least 70 percent. Contrast in percent shall be determined as follows:

$$\text{Contrast} = [(B^1 - B^2) / B^1] \times 100$$

Where: B^1 = light reflectance value (LRV) of the lighter area;

and,

B^2 = light reflectance value (LRV) of the darker area.

Reviser's note: The brackets and enclosed material in the text of the above section occurred in the copy filed by the agency and appear in the Register pursuant to the requirements of RCW 34.08.040.

NEW SECTION

WAC 51-40-93120 Section 93120.

THIS APPENDIX IS FOR REFERENCE ONLY. IT IS NOT THE RESPONSIBILITY OF THE BUILDING OFFICIAL TO ENFORCE IT.

**APPENDIX CHAPTER 11
DIVISION VI**

**AMERICANS WITH DISABILITIES ACT
GUIDELINES FOR AUTOMATED TELLER
MACHINES**

93120.1 Purpose. The purpose of this division is to provide the United States Architectural and Transportation Barriers Compliance Board Americans with Disabilities Act Guidelines for automated teller machines.

93120.2 Accessible Buildings: Automated Teller Machines. Where automated teller machines are provided, each machine shall comply with the requirements below except where two or more machines are provided at a location, then only one must comply.

EXCEPTION: Drive-up-only automated teller machines are not required to comply with 93120.4 and 93120.5.

93120.3 General. Each automated teller machine required to be accessible by 93120.2 shall be on an accessible route and shall comply with the provisions of this section.

93120.4 Clear Floor Space. The automated teller machine shall be located so that clear floor space complying with 1106.2.4.1, 1106.2.4.2, 1106.2.4.3 and 1106.2.4.4 is provided to allow a person using a wheelchair to make a forward approach, a parallel approach, or both, to the machine.

93120.5 Reach Ranges.

1. Forward Approach Only. If only a forward approach is possible, operable parts of all controls shall be placed within the forward reach range specified in 1106.2.4.5.

2. Parallel Approach Only. If only a parallel approach is possible, operable parts of controls shall be placed as follows:

2.1. Reach Depth Not More Than 10 inches (255 mm). Where the reach depth to the operable parts of all controls as measured from the vertical plane perpendicular to the edge of the unobstructed clear space at the farthest protrusion of the automated teller machine or surround is not more than 10 inches (255 mm), the maximum height above the finished floor or grade shall be 54 inches (1370 mm).

2.2. Reach Depth More Than 10 inches (255 mm). Where the reach depth to the operable parts of any control as measured from the vertical plane perpendicular to the edge of the unobstructed clear floor space at the farthest protrusion of the automated teller machine or surround is more than 10 inches (255 mm), the maximum height above the finished floor or grade shall be as follows:

PERMANENT

Reach Depth

Maximum Height

<u>inches</u>	<u>mm</u>	<u>inches</u>	<u>mm</u>
10	255	54	1370
11	280	53½	1360
12	305	53	1345
13	330	52½	1335
14	355	51½	1310
15	380	51	1295
16	405	50½	1285
17	430	50	1270
18	455	49½	1255
19	485	49	1245
20	510	48½	1230
21	535	47½	1205
22	560	47	1195
23	585	46½	1180
24	610	46	1170

3. Forward and Parallel Approach. If both a forward and parallel approach are possible, operable parts of controls shall be placed within at least one of the reach ranges in paragraphs (1) or (2) of this section.

4. Bins. Where bins are provided for envelopes, waste paper, or other purposes, at least one of each type provided shall comply with the applicable reach ranges in paragraph (1), (2), or (3) of this section.

EXCEPTION: Where a function can be performed in a substantially equivalent manner by using an alternate control, only one of the controls needed to perform that function is required to comply with this section. If the controls are identified by tactile markings, such markings shall be provided on both controls.

93120.6 Controls. Controls for user activation shall comply with 1106.3.

93120.7 Equipment for Persons with Vision Impairments. Instructions and all information for use shall be made accessible to and independently usable by persons with vision impairments.

**WSR 98-02-055
PERMANENT RULES
BUILDING CODE COUNCIL**

[Filed January 6, 1998, 11:59 a.m., effective July 1, 1998]

Date of Adoption: November 14, 1997.

Purpose: To adopt chapters 51-46 and 51-47 WAC, state adoption and amendment of the 1997 Uniform Plumbing Code and Standards; and to repeal chapters 51-26 and 51-27 WAC, state adoption and amendment of the 1991 Uniform Plumbing Code and Standards.

Citation of Existing Rules Affected by this Order:
Repealing chapters 51-26 and 51-27 WAC.

Statutory Authority for Adoption: RCW 19.27.031, 19.27.074.

Adopted under notice filed as WSR 97-16-114 on August 6, 1997.

Changes Other than Editing from Proposed to Adopted Version: WAC 51-46-0103, change the term "licensing" to "certification" throughout the section and limit application to state rules and regulations by deleting the term "and local." This change brought the proposed rule into closer conformance with other state regulations and addressed concerns heard at public hearing.

WAC 51-46-0218, change definition of plumbing system to clarify that certification is not required for installation of a plumbing system outside a building but within the property lines. This change resulted from testimony at the public hearing.

WAC 51-46-0402, change subsection 402.3.1.2, exception 1, to maintain current regulation. This change resulted from testimony at the public hearing.

WAC 51-46-0793, add category "Floor Drain" to Table 7-3. This change maintains current regulation and resulted from testimony at the public hearing.

WAC 51-46-1300, delete Option 1. This change resulted from testimony at the public hearing.

WAC 51-46-97121, change subsection M 1.11.2.2 by deleting the exception. This change resulted from testimony at the public hearing.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 1, amended 0, repealed 1; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

PERMANENT

Number of Sections Adopted at Request of a Nongovernmental Entity: New 30, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 31, amended 0, repealed 37.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 28, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 90, amended 0, repealed 37; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: July 1, 1998.

January 5, 1998
Mike McEnaney
Council Chair

**Chapter 51-46 WAC
STATE BUILDING CODE ADOPTION AND
AMENDMENT OF THE 1997 EDITION OF THE
UNIFORM PLUMBING CODE**

NEW SECTION

WAC 51-46-001 Authority. These rules are adopted under the authority of chapter 19.27 RCW.

NEW SECTION

WAC 51-46-002 Purpose. The purpose of these rules is to implement the provisions of chapter 19.27 RCW, which provides that the State Building Code council shall maintain the State Building Code in a status which is consistent with the purpose as set forth in RCW 19.27.020. In maintaining the codes, the council shall regularly review updated versions of the codes adopted under the act, and other pertinent information, and shall amend the codes as deemed appropriate by the council.

NEW SECTION

WAC 51-46-003 Uniform plumbing code. The 1997 edition of the Uniform Plumbing Code, published by the International Association of Plumbing and Mechanical Officials, is hereby adopted by reference with the following additions, deletions and exceptions: *Provided*, That Chapters 11 and 12 of this code are not adopted. *Provided further*, That those requirements of the Uniform Plumbing Code relating to venting and combustion air of fuel fired appliances as found in Chapter 5 and those portions of the Code addressing building sewers are not adopted.

NEW SECTION

WAC 51-46-007 Exceptions. The exceptions and amendments to the uniform codes contained in the provisions of chapter 19.27 RCW shall apply in cases of conflict with any of the provisions of these rules.

NEW SECTION

WAC 51-46-008 Implementation. The Uniform Plumbing Code adopted by chapter 51-46 WAC shall become effective in all counties and cities of this state on July 1, 1998, unless local government residential amend-

ments have been approved by the State Building Code council.

NEW SECTION

WAC 51-46-0100 Chapter 1—Administration.

NEW SECTION

WAC 51-46-0101 Section 101 Title, scope and general.

101.4.1.4 Conflicts Between Codes. Delete paragraph.

NEW SECTION

WAC 51-46-0102 Organization and enforcement.

102.4 Appeals. All persons shall have the right to appeal a decision of the Administrative Authority. The jurisdiction shall have a board of appeals to hear and rule on Plumbing Code appeals. Members of the board shall be appointed by the jurisdiction. Decisions by the board shall be reported to the jurisdiction and administered by the Administrative Authority.

NEW SECTION

WAC 51-46-0103 Section 103 Permits and inspections.

103.1.3 Certification. State rules and regulations concerning certification shall apply.

NEW SECTION

WAC 51-46-0200 Chapter 2 - Definitions.

NEW SECTION

WAC 51-46-0205 Section 205.0 – C.

Combustible Construction. Delete definition.

CPVC – Chlorinated Poly (Vinyl Chloride)

NEW SECTION

WAC 51-46-0215 Section 215.0 – M.

Medical Gas - Compressed gasses at hospitals and similar facilities intended for inhalation or sedation including, but not limited to, analgesia systems for dentistry, podiatry, veterinary and similar uses.

NEW SECTION

WAC 51-46-0218 Section 218.0 – P.

PEX - Crosslinked Polyethylene

Plumbing System – Includes all potable water building supply and distribution pipes, all plumbing fixtures and traps, all drainage and vent pipe(s), and all building drains including their respective joints and connection, devices, receptors, and appurtenances within the property lines of the premises and shall include potable water piping, potable water treating or using equipment, medical gas and medical vacuum systems, and water heaters: *Provided*, That no certification

shall be required for the installation of a plumbing system within the property lines and outside a building.

PP - Polypropylene

Public or Public Use – All buildings or structures that are not defined as private or private use.

(1) **General use** applies to business, commercial, industrial and assembly occupancies other than those defined under heavy use. Included are the public and common areas in hotels, motels and multi-dwelling buildings.

(2) **Heavy use** assembly applies to toilet facilities in occupancies which place a heavy, but intermittent time-based demand on the water supply system, such as schools, auditoriums, stadiums, race courses, transportation terminals, theaters and similar occupancies where queuing is likely to occur during periods of peak use.

NEW SECTION

WAC 51-46-0300 Chapter 3 - General regulations.

NEW SECTION

WAC 51-46-0301 Materials - Standards and alterations.

301.1.1 Approvals. Unless otherwise provided for in this Code, all materials, fixtures or devices used or entering into the construction of plumbing and drainage systems, or parts thereof, shall be submitted to the Administrative Authority for approval and shall conform to approved nationally recognized standards, and shall be free from defects. All pipe fittings, traps, fixtures, material and devices used in a plumbing system shall be listed or labeled by a listing agency or shall be approved by the Administrative Authority.

301.1.3 Standards. Standards listed or referred to in this chapter and Table 14-1 cover materials that conform to the requirements of this Code, when used in accordance with the limitations imposed in this or other chapters thereof and their listing. Where a standard covers materials of various grades, weights, quality, or configurations, there may be only a portion of the listed standard which is applicable. Design and materials for special conditions or materials not provided for herein are allowed to be used only by special permission of the Administrative Authority after the Administrative Authority has been satisfied as to their adequacy in accordance with Section 301.2.

NEW SECTION

WAC 51-46-0310 Workmanship.

310.4 Installation Practices. Plumbing systems shall be installed in a manner conforming to this Code and the manufacturer's instructions.

NEW SECTION

WAC 51-46-0311 Prohibited fittings and practices.

311.4. Except as hereinafter provided in sections 908.0, 909.0 and 910.0, no vent pipe shall be used as a soil or

waste pipe, nor shall any soil or waste pipe be used as a vent.

NEW SECTION

WAC 51-46-0313 Protection of piping, materials, and structures.

313.6. No water, soil, or waste pipe shall be installed or permitted outside of a building or in an exterior wall unless, where necessary, adequate provision is made to protect such pipe from freezing. All hot and cold water pipes installed outside the conditioned space shall be insulated to a minimum R-3.

313.10.4 In exterior walls, the annular space between sleeves and pipes shall be sealed and made watertight.

EXCEPTION: Any pipe sleeve through fire resistive construction shall be sealed with an approved fire-resistive material in accordance with the Building Code.

NEW SECTION

WAC 51-46-0314 Hangers and supports.

314.5 All piping, fixtures, appliances, and appurtenances shall be adequately supported in accordance with this Code and the manufacturer's installation instructions and approved by the Administrative Authority.

NEW SECTION

WAC 51-46-0392 Table 3-2 Hangers and supports.

TABLE 3-2

Materials	Type of Joints	Horizontal	Vertical
Cast Iron Hub and Spigot	Lead and Oakum	5 feet (1524 mm), except may be 10 feet (3048 mm) where 10 foot (3048 mm) lengths are installed ^{1, 2, 3}	Base and each floor not to exceed 15 feet (4572 mm)
	Compression Gasket	Every other joint, unless over 4 feet (1219 mm), then support each joint ^{1, 2, 3}	Base and each floor not to exceed 15 feet (4572 mm)
Cast Iron Hubless	Shielded Coupling	Every other joint, unless over 4 feet (1219 mm), then support each joint ^{1, 2, 3, 4}	Base and each floor not to exceed 15 feet (4572 mm)
Copper Tube and Pipe	Soldered, Brazed or Welded	1-½ inch (38 mm) and smaller, 6 feet (1829 mm), 2 inch (51 mm) and larger, 10 feet (3048 mm)	Each floor not to exceed 10 feet (3048 mm) ⁵
Steel and Brass Pipe for Water or DWV	Threaded or Welded	¾ inch (19 mm) and smaller, 10 feet (3048 mm), 1 inch (25.4 mm) and larger, 12 feet (3658 mm)	Every other floor not to exceed 25 feet (7620 mm) ⁵
Steel, Brass and Tinned Copper Pipe for Gas	Threaded or Welded	½ inch (13 mm), 6 feet (1829 mm), ¾ inch (19 mm) and 1 inch (25 mm), 8 feet (2438 mm) 1-¼ inch (32 mm) and larger, 10 feet (3048 mm)	½ inch (13 mm), 6 feet (1829 mm), ¾ inch (19 mm) and 1 inch (25 mm), 8 feet (2438 mm), 1-¼ inch (32 mm) and larger, every floor level
Schedule 40 PVC and ABS DWV	Solvent Cemented	All sizes, 4 feet (1219 mm). Allow for expansion every 30 feet (9144 mm) ^{3, 6}	Base and each floor. Provide mid-story guides. Provide for expansion every 30 feet (9144 mm) ⁶
CPVC	Solvent Cemented	1 inch (25 mm) and smaller, 3 feet (914 mm), 1-¼ inch (32 mm) and larger, 4 feet (1219 mm)	Base and each floor. Provide mid-story guides ⁶
Lead	Wiped or Burned	Continuous support	Not to exceed 4 feet (1219 mm)
PEX	Mechanical	1 inch (25 mm) and smaller, 3 feet (914 mm), 1-¼ inch (32 mm) and larger, 4 feet (1219 mm)	Base and each floor. Provide mid-story guides
Copper	Mechanical	In accordance with standards acceptable to the Administrative Authority	
Steel & Brass	Mechanical	In accordance with standards acceptable to the Administrative Authority	

¹ Support adjacent to joint, not to exceed eighteen (18) inches (457 mm).
² Brace at not more than forty (40) foot (12192 mm) intervals to prevent horizontal movement.
³ Support at each horizontal branch connection.
⁴ Hangers shall not be placed on the coupling.
⁵ Vertical water lines may be supported in accordance with recognized engineering principals with regard to expansion and contraction, when first approved by the Administrative Authority.
⁶ See the appropriate IAPMO Installation Standard for expansion and other special requirements.

PERMANENT

NEW SECTION

WAC 51-46-0316 Joints and connections.

316.1.5 Solvent Cement Plastic Pipe Joints. Plastic pipe and fittings designed to be joined by solvent cementing shall comply with this Code and the manufacturer's installation instructions.

ABS pipe and fittings shall be cleaned and then joined with listed solvent cement(s).

CPVC and PVC pipe and fittings shall be cleaned and joined with listed primer(s) and solvent cements.

NEW SECTION

WAC 51-46-0400 Chapter 4 - Plumbing fixtures and fixture fittings.

NEW SECTION

WAC 51-46-0402 Water-conserving fixtures and fittings.

402.0 Water-Conserving Fixtures and Fittings

402.1 The purpose of this Section shall be to implement water conservation performance standards in accordance with RCW 19.27.170.

402.2 Application.

This section shall apply to all new construction and all remodeling involving replacement of plumbing fixtures and fittings in all residential, hotel, motel, school, industrial, commercial use, or other occupancies determined by the council to use significant quantities of water. Plumbing fixtures, fittings and appurtenances shall conform to the standards specified in this section and shall be provided with an adequate supply of potable water to flush and keep the fixtures in a clean and sanitary condition without danger of backflow or cross-connection.

402.3 Water Efficiency Standards.

402.3.1 Standards for Vitreous China Plumbing Fixtures.

402.3.1.1 The following standards shall be adopted as plumbing materials, performance standards, and labeling standards for water closets and urinals. Water closets and urinals shall meet either the ANSI/ASME standards or the CSA standard.

ANSI/ASME A112.19.2M-1990 Vitreous China Plumbing Fixtures

ANSI/ASME A112.19.6-1990 Hydraulic Requirements for Water Closets and Urinals

CSA B45 CSA Standards on Plumbing Fixtures

402.3.1.2 The maximum water use allowed in gallons per flush (gpf) or liters per flush (lpf) for any of the following water closets shall be the following:

Tank-type toilets	1.6 gpf/6.0 lpf
Flushometer-valve toilets	1.6 gpf/6.0 lpf
Flushometer-tank toilets	1.6 gpf/6.0 lpf
Electromechanical hydraulic toilets	1.6 gpf/6.0 lpf

- EXCEPTIONS:**
- (1) Water closets located in day care centers, intended for use by young children may have a maximum water use of 3.5 gallons per flush or 13.25 liters per flush.
 - (2) Water closets with bed pan washers may have a maximum water use of 3.5 gallons per flush or 13.25 liters per flush.
 - (3) Blow out bowls, as defined in ANSI/ASME A112.19.2M, Section 5.1.2.3 may have a maximum water use of 3.5 gallons per flush or 13.25 liters per flush.

402.3.1.3 The maximum water use allowed for any urinal shall be 1.0 gallons per flush or 3.78 liters per flush.

402.3.1.4 No urinal or water closet that operates on a continuous flow or continuous flush basis shall be permitted.

402.3.1.5 This section does not apply to fixtures installed before the effective date of this section, that are removed and relocated to another room or area of the same building after the effective date of this section.

402.3.2 Standards for Plumbing Fixture Fittings.

402.3.2.1 The following standards are adopted as plumbing material, performance requirements, and labeling standards for plumbing fixture fittings. Faucets, aerators, and shower heads shall meet either the ANSI/ASME standard or the CSA standard.

ANSI/ASME A112.18.1M-1989 Plumbing Fixture Fittings
CSA B125 Plumbing Fittings

402.3.2.2 The maximum water use allowed for any shower head is 2.5 gallons per minute or 9.5 liters per minute.

EXCEPTION: Emergency use showers shall be exempt from the maximum water usage rates.

402.3.2.3 The maximum water use allowed in gallons per minute (gpm) or liters per minute (lpm) for any of the following faucets and replacement aerators is the following:

Lavatory faucets	2.5 gpm/9.5 lpm
Kitchen faucets	2.5 gpm/9.5 lpm
Replacement aerators	2.5 gpm/9.5 lpm
Public lavatory faucets other than metering	0.5 gpm/1.9 lpm

402.4 Metering Valves.

Lavatory faucets located in restrooms intended for use by the general public shall be equipped with a metering valve designed to close by spring or water pressure when left unattended (self-closing).

- EXCEPTIONS:**
- (1) Where designed and installed for use by persons with a disability.
 - (2) Where installed in day care centers, for use primarily by children under 6 years of age.

402.5 Accepted Plumbing Fixtures and Fixture Fittings.

Plumbing fixtures and fixture fittings which are tested in accordance with the standards listed herein and listed by either the International Association of Plumbing and Mechanical Officials or the Canadian Standards Association may be approved by the Administrative Authority for installation. Under Section 301, the Administrative Authority may approve plumbing fixtures and fixture fittings, not listed by either the International Association of Plumbing and Mechanical Officials or the Canadian Standards Association, PROVIDED the products meet the testing, and marking and labeling requirements listed in Section 402.3.

PERMANENT

The State Building Code council will publish and distribute a current list of fixtures and fixture fittings that meet the standards listed within Section 402 and have been listed with either the International Association of Plumbing and Mechanical Officials or the Canadian Standards Association.

402.6 Implementation.

402.6.1 The standards for water efficiency and labeling contained within Section 402.3 shall be in effect as of July 1, 1993, as provided in RCW 19.27.170 and amended July 1, 1998.

402.6.2 No individual, public or private corporation, firm, political subdivision, government agency, or other legal entity, may, for purposes of use in the state of Washington, distribute, sell, offer for sale, import, install, or approve for installation any plumbing fixtures or fittings unless the fixtures or fittings meet the standards as provided for in this section.

NEW SECTION

WAC 51-46-0412 Floor drains and shower stalls.

412.2 Location of Floor Drains. Floor drains shall be installed in the following areas:

412.2.1 Toilet rooms containing two (2) or more water closets or a combination of one (1) water closet and one (1) urinal, except in a dwelling unit. The floor shall slope toward the floor drains.

412.2.2 Laundry rooms in commercial buildings and common laundry facilities in multi-family dwelling buildings.

NEW SECTION

WAC 51-46-0413 Minimum number of required fixtures.

413.0 Minimum Number of Required Fixtures. For minimum number of plumbing fixtures required, see Building Code Chapter 29 and Table 29-A.

NEW SECTION

WAC 51-46-0500 Chapter 5 - Water heaters.

NEW SECTION

WAC 51-46-0501 General.

501.0 General.

The regulations of this chapter shall govern the construction, location, and installation of all fuel burning and other water heaters heating potable water. See the Mechanical Code for combustion air and installation of all vents and their connectors. All design, construction, and workmanship shall be in conformity with accepted engineering practices and shall be of such character as to secure the results sought to be obtained by this Code. No water heater shall be hereinafter installed which does not comply in all respects with the type and model of each size thereof approved by the Administrative Authority. A list of generally accepted gas equipment standards is included in Table 14-1.

Water heaters used for space heating only are prohibited.

NEW SECTION

WAC 51-46-0502 Definitions.

502.8 Vent – Delete definition

502.9 Vent Collar – Delete definition

NEW SECTION

WAC 51-46-0505 Gas-fired water heater approval requirements.

505.0 Gas-Fired Water Heater Approval Requirements.

505.1 Gas fired water heaters shall conform to approved recognized applicable standards or to other standards acceptable to the Administrative Authority. Each such water heater shall bear the label of an approved testing agency, certifying and attesting that such equipment has been tested and inspected and meets the requirements of applicable standards.

505.2 Except when reconditioned by the manufacturer or the manufacturer’s approved agent in accordance with its original approval requirements and reinstalled at its original location, each reconditioned water heater shall be tested for safety and conformity to approved standards, and shall bear the label of an approved testing agency certifying and attesting that such equipment has been tested and inspected and meets the requirements of applicable standards. Such label shall also state clearly that the water heater has been reconditioned, and shall give the name and address of the reconditioner. Every person applying for a permit to install a used or reconditioned water heater shall clearly state on the application for permit that such equipment is used or reconditioned.

505.3 Gas storage-type water heaters shall be provided with, in addition to the primary temperature controls, an over-temperature safety protection device constructed, listed, and installed in accordance with nationally recognized applicable standards for such devices and a combination temperature and pressure relief valve.

NEW SECTION

WAC 51-46-0507 Combustion air.

507.0 Combustion Air. For issues relating to combustion air, see the Mechanical Code.

Delete remainder of this section.

NEW SECTION

WAC 51-46-0509 Prohibited locations.

509.0 Prohibited Locations.

Water heaters which depend on the combustion of fuel for heat shall not be installed in a room used or designed to be used for sleeping purposes, bathroom, clothes closets or in a closet or other confined space opening into a bath or bedroom.

EXCEPTION: 1. Direct vent water heaters.

PERMANENT

- 2. Water heaters installed in a closet that has a weather-stripped solid door with an approved door closing device, and designed exclusively for the water heater and where all air for combustion and ventilation is supplied from the outdoors.
- 3. Water heaters of the automatic storage type installed as a replacement in a bathroom, when specifically approved, properly vented and supplied with adequate combustion air.

Where not prohibited by other regulations, water heaters may be located under a stairway or landing.

NEW SECTION

WAC 51-46-0512 Venting of water heaters.

512.0 Venting of Water Heaters Delete entire Section.

NEW SECTION

WAC 51-46-0513 Limitations.

513.0 Limitations Delete entire Section.

NEW SECTION

WAC 51-46-0514 Vent connectors.

514.0 Vent Connectors. Delete entire Section.

NEW SECTION

WAC 51-46-0515 Location and support of venting system.

515.0 Location and Support of Venting System. Delete entire Section.

NEW SECTION

WAC 51-46-0516 Length pitch and clearance.

516.0 Length Pitch and Clearance. Delete entire Section.

NEW SECTION

WAC 51-46-0517 Vent termination.

517.0 Vent Termination. Delete entire Section

NEW SECTION

WAC 51-46-0518 Area of venting system.

518.0 Area of Venting System. Delete entire Section

NEW SECTION

WAC 51-46-0519 Multiple appliance venting.

519.0 Multiple Appliance Venting. Delete entire Section.

NEW SECTION

WAC 51-46-0520 Existing venting system.

520.0 Existing Venting System. Delete entire Section.

NEW SECTION

WAC 51-46-0521 Draft hoods.

521.0 Draft Hoods. Delete entire Section.

NEW SECTION

WAC 51-46-0522 Gas venting into existing masonry chimneys.

522.0 Gas Venting into Existing Masonry Chimneys. Delete entire Section.

NEW SECTION

WAC 51-46-0523 Installation.

523.0 Installation. Delete entire Section.

NEW SECTION

WAC 51-46-0524 Mechanical draft systems.

524.0 Mechanical Draft Systems. Delete entire Section.

NEW SECTION

WAC 51-46-0525 Venting through ventilating hoods and exhaust systems.

525.0 Venting Through Ventilating Hoods and Exhaust Systems. Delete entire Section.

NEW SECTION

WAC 51-46-0600 Water supply and distribution.

NEW SECTION

WAC 51-46-0603 Cross-connection control.

603.0 Cross-Connection Control.

Cross-connection control shall be provided in accordance with the provisions of this chapter. The Administrative Authority shall coordinate with the local water purveyor where applicable in all matters concerning cross-connection control within the property lines of the premises.

No person shall install any water operated equipment or mechanism, or use any water treating chemical or substance, if it is found that such equipment, mechanism, chemical or substance may cause pollution or contamination of the domestic water supply. Such equipment or mechanism may be permitted only when equipped with an approved backflow prevention device or assembly.

603.3.2 The premise owner or responsible person shall have the backflow prevention assembly tested by a Washington State Department of Health certified backflow assembly tester at the time of installation, repair, or relocation and at least on an annual schedule thereafter or more often when required by the Administrative Authority.

603.4.6.1 Potable water supplies to systems having no pumps or connections for pumping equipment, and no chemical injection or provisions for chemical injection, shall be protected from backflow by one of the following devices:

1. Atmospheric vacuum breaker
2. Pressure vacuum breaker
3. Reduced pressure backflow preventer
4. A double check valve may be allowed when approved by the water purveyor and the Administrative Authority.

PERMANENT

NEW SECTION**WAC 51-46-0604 Materials.****604.0 Materials**

604.1 Water pipe and fittings shall be of brass, copper, cast iron, galvanized malleable iron, galvanized wrought iron, galvanized steel or other approved materials. Cast iron fittings used for water need not be galvanized if over two (2) inches (51 mm) in size. Asbestos-cement, CPVC, PEX, PE, PVC or other approved water pipe materials manufactured to recognized standards may be used for cold water distribution systems outside a building. PEX or CPVC water pipe and tubing may be used for hot and cold water distribution systems within a building. Other products not listed in this section are acceptable for their intended use, provided that such materials or distribution systems are listed and approved in accordance with nationally recognized standards. All materials used in the water supply system, except valves and similar devices shall be of like material, except where otherwise approved by the Administrative Authority.

604.11 Plastic water piping may terminate within a building, provided the connection to the potable water distribution system shall be made as near as is practical to the point of entry and shall be accessible. Barbed insert fittings with hose clamps are prohibited within the building.

NEW SECTION

WAC 51-46-0608 Water pressure, pressure regulators, pressure relief valves, and vacuum relief valves.

608.5 Relief valves located inside a building shall be provided with a drain, not smaller than the relief valve outlet, of galvanized steel, hard drawn copper piping and fittings, CPVC, or listed relief valve drain tube with fittings which will not reduce the internal bore of the pipe or tubing (straight lengths as opposed to coils) and shall extend from the valve to the outside of the building with the end of the pipe not more than two (2) feet (610 mm) nor less than six (6) inches (152 mm) above the ground or the flood level of the area receiving the discharge and pointing downward. Such drains may terminate at other approved locations. No part of such drain pipe shall be trapped and the terminal end of the drain pipe shall not be threaded.

EXCEPTION: Replacement water heating equipment shall only be required to provide a drain pointing downward from the relief valve to extend between two feet (610 mm) and six inches (152 mm) from the floor. No additional floor drain need be provided.

NEW SECTION

WAC 51-46-0609 Installation, testing, unions, and location.

609.6 Location. Except as provided in Section 609.7, no building supply shall be located in any lot other than the lot which is the site of the building or structure served by such building supply.

NEW SECTION

WAC 51-46-0610 Size of potable water piping.

610.4 Where the maximum length of supply piping is two hundred (200) feet (60,960 mm) or less, each water piping system of fifty (50) fixture units or less shall be sized in accordance with the values set forth in Table 6-5. Other systems of more than fifty (50) fixture units and within the range of Table 6-5 may be sized from that table or by the method set forth in Section 610.5.

Listed engineered parallel water distribution systems may be installed in accordance with their listing.

NEW SECTION

WAC 51-46-0700 Sanitary drainage.

NEW SECTION

WAC 51-46-0701 Materials.

701.0 Materials.

701.1 Drainage piping shall be cast iron, galvanized steel, galvanized wrought iron, lead, copper, brass, Schedule 40 ABS DWV, Schedule 40 PVC DWV, extra strength vitrified clay pipe, or other approved materials having a smooth and uniform bore, except that:

701.1.1 No galvanized wrought iron or galvanized steel pipe shall be used underground and shall be kept at least six (6) inches (152 mm) above ground.

701.1.2 No vitrified clay pipe or fittings shall be used above ground or where pressurized by a pump or ejector. They shall be kept at least twelve (12) inches (305 mm) below ground.

701.1.3 Copper tube for underground drainage and vent piping shall have a weight of not less than that of copper drainage tube type DWV.

701.1.4 Copper tube for above ground drainage and vent piping shall have a weight of not less than that of copper drainage tube type DWV.

NEW SECTION

WAC 51-46-0704 Fixture connections (drainage).

704.3 Delete paragraph.

NEW SECTION

WAC 51-46-0710 Drainage of fixtures located below the next upstream manhole or below the main sewer level.

710.3 The minimum size of any pump or any discharge pipe from a sump having a water closet connected thereto shall be not less than two (2) inches (52 mm).

NEW SECTION

WAC 51-46-0713 Building sewers.

Part II Building Sewers. Delete all of Part II, Sections 713 to 723, and Tables 7-7 and 7-8.

NEW SECTION

WAC 51-46-0793 Table 7-3 Drainage fixture unit values.

**TABLE 7-3
Drainage Fixture Unit Values (DFU)**

Individual Fixtures	Min. Size Trap and Trap Arm ⁷	Private		Public	
		Individual Dwelling	3 or More Dwellings	General Use	Heavy-Use Assembly
Bar Sink.....	1-1/2"	1.0	1.0		
Bar Sink.....	1-1/2" ²			2.0	
Bathtub or Combination Bath/Shower.....	1-1/2"	3.0	3.0		
Bidet, 1-1/4" trap.....	1-1/4"	1.0	1.0		
Clinical Sink, 3" trap.....	3"			6.0	
Clothes Washer, domestic, 2" standpipe ³	2"	3.0	3.0	3.0	
Dental Unit, cuspidor.....	1-1/4"			1.0	
Dishwasher, domestic, with independent drain.....	1-1/2"	2.0	2.0	2.0	
Drinking Fountain or Watercooler.....	1-1/4"			0.5	
Food-waste-grinder, commercial.....	2"			3.0	
<u>Floor Drain.....</u>	<u>2"</u>	<u>2.0</u>	<u>2.0</u>	<u>2.0</u>	
Floor Drain, emergency.....				0.0	
Kitchen Sink, domestic, with one 1-1/2" trap.....	1-1/2" ²	2.0	2.0	2.0	
Kitchen Sink, domestic, with food-waste-grinder ...	1-1/2" ²	2.0	2.0	2.0	
Kitchen Sink, domestic, with dishwasher.....	1-1/2" ²	3.0	3.0	3.0	
Kitchen Sink, domestic, w/grinder and dishwasher ..	1-1/2" ²	3.0	3.0	3.0	
Laundry Sink, one or two compartments.....	1-1/2"	2.0	2.0	2.0	
Laundry Sink, with discharge from clothes washer ..	1-1/2"	2.0	2.0	2.0	
Lavatory, single.....	1-1/4"	1.0	1.0	1.0	1.0
Lavatory in sets of two or three.....	1-1/2"	2.0	2.0	2.0	2.0
Mobile Home, trap.....	3"	12.0	12.0		
Mop Basin, 3" trap.....	3"			3.0	
Receptor, indirect waste, 1-1/2" trap ^{1,3}	1-1/2"			(1)	
Receptor, indirect waste, 2" trap ^{1,4}	2"			(1)	
Receptor, indirect waste, 3" trap ¹	3"			(1)	
Service Sink, 2" trap.....	2"			3.0	
Service Sink, 3" trap.....	3"			3.0	
Shower Stall, 2" trap.....	2"	2.0	2.0	2.0	
Shower, group, per head (continuous use).....	2"			5.0 1.0	
Sink, commercial, 1-1/2" trap, with food waste.....	1-1/2" ²			3.0	
Sink, service, flushing rim.....	3"			6.0	
Sink, general, 1-1/2" trap.....	1-1/2"	2.0	2.0	2.0	
Sink, general, 2" trap.....	2"	3.0	3.0	3.0	
Sink, general, 3" trap.....	3"			5.0	
Urinal, 1.0 GPF.....				4.0	5.0
Urinal, greater than 1.0 GPF.....				5.0	6.0
Urinal, 1-1/2" trap.....	1-1/2" ²			4.0	5.0
Washfountain, 1-1/2" trap.....	1-1/2"			2.0	
Washfountain, 2" trap.....	2"			3.0	
Wash Sink, each set of faucets.....				2.0	
Water Closet, 1.6 GPF Gravity Tank ⁶	3"	3.0	3.0	4.0	6.0
Water Closet, 1.6 GPF Flushometer Tank ⁶	3"	3.5	3.5	5.0	8.0
Water Closet, 1.6 GPF Flushometer Valve ⁶	3"	3.0	3.0	4.0	6.0
Water Closet, 3.5 GPF Gravity Tank ⁶	3"	4.0	4.0	6.0	8.0
Water Closet, 3.5 GPF Flushometer Valve ⁶	3"	4.0	4.0	6.0	8.0
Whirlpool Bath or Combination Bath/Shower.....	2"	3.0	3.0		

PERMANENT

Footnotes for Table 7-3:

- ¹Indirect waste receptors shall be sized based on the total drainage capacity of the fixtures that drain therein to, in accordance with Table 7-4.
- ²Provide a 2" (51 mm) minimum branch drain beyond the trap arm.
- ³For refrigerators, coffee urns, water stations, and similar low demands.
- ⁴For commercial sinks, dishwashers, and similar moderate or heavy demands.
- ⁵Buildings having a clothes washing area with clothes washers in a battery of three (3) or more, clothes washers shall be rated at six (6) fixtures units each for purposes of sizing common horizontal and vertical drainage piping.
- ⁶Water closets shall be computed as six (6) fixtures units when determining septic tank sizes based on Appendix K of this Code.
- ⁷Trap sizes shall not be increased to the point where the fixture discharge may be inadequate to maintain their self-scouring properties.

NEW SECTION

WAC 51-46-0800 Indirect wastes.

NEW SECTION

WAC 51-46-0810 Steam and hot water drainage condensers and sumps.

810.4 Strainers. Every indirect waste interceptor receiving discharge containing particles that would clog the receptor drain shall have a readily removable dome strainer.

NEW SECTION

WAC 51-46-0814 Refrigeration wastes.

814.0 Refrigeration Wastes.

For refrigeration wastes see Mechanical Code Section 1105.13.

NEW SECTION

WAC 51-46-0815 Air-conditioning equipment.

815.0 Air-Conditioning Equipment.

815.1 Size. For sizing of equipment see Mechanical Code Table 11-E. Air conditioning waste pipes shall be constructed of materials specified in Chapter 7.

815.2 Point of Discharge. Air-conditioning condensate waste pipes shall connect indirectly to the drainage system through an airgap or airbreak to:

- 815.2.1** A properly trapped receptor; or
- 815.2.2** Other points of discharge acceptable to the Administrative Authority, including dry wells, leach pits, the tailpiece of plumbing fixtures, etc.

NEW SECTION

WAC 51-46-0900 Vents.

NEW SECTION

WAC 51-46-0903 Materials.

903.1.2 Delete paragraph.

NEW SECTION

WAC 51-46-1000 Traps and interceptors.

NEW SECTION

WAC 51-46-1003 Traps - Described.

1003.1 Each trap, except one for an interceptor or similar device shall be self-cleaning. Traps for bathtubs, showers, lavatories, sinks, laundry tubs, floor drains, hoppers, urinals, drinking fountains, dental units, and similar fixtures shall be of standard design and weight and shall be of ABS, cast brass, cast iron, lead, PP, PVC, or other approved material. An exposed and readily accessible drawn brass tubing trap, not less than 17 B&S Gauge (0.045 inch) (1.1 mm), may be used on fixtures discharging domestic sewage but shall exclude urinals. Each trap shall have the manufacturer's name stamped legibly in the metal of the trap and each tubing trap shall have the gauge of the tubing in addition to the manufacturer's name. Every trap shall have a smooth and uniform interior waterway.

NEW SECTION

WAC 51-46-1012 Laundries.

1012.0 Laundries. Delete entire Section.

NEW SECTION

WAC 51-46-1300 Medical gas systems. Replace entire chapter with the following.

NEW SECTION

WAC 51-46-1301 Scope.

1301.0 Scope.

1301.1 The provisions herein shall apply to the design, installation, testing, and verification of medical gas, medical vacuum systems, and related permanent equipment for safe use in patient care hospitals, clinics, and other health care facilities.

1301.2 The purpose of this chapter is to provide minimum requirements for the design, installation and verification of medical gas, medical vacuum systems, and related permanent equipment.

PERMANENT

NEW SECTION

WAC 51-46-1302 Definitions.

1302.0 Definitions.

1302.1 Installer Performance Testing - Testing conducted by the installer or representative prior to system verification using oil-free, dry nitrogen as stated in Chapter 14.

1302.2 System Verification - Testing conducted by a qualified party other than the installer or material vendor after the installer performance testing and prior to the medical gas system being put into service.

NEW SECTION

WAC 51-46-1303 Plan review.

1303.0 Plan Review.

1303.1 Before any medical gas or medical vacuum system is installed or altered in any patient care hospital, clinic, or health care facility, duplicate plans and specifications shall be filed with the Administrative Authority. The Administrative Authority shall approve the plans prior to the issuance of any permit.

1303.2 Plans and specifications submitted to the Administrative Authority shall be of sufficient clarity to indicate the nature and extent of the work proposed and shown in detail that such work will conform to the provisions of this Code, specifically Chapter 14 of this Code.

NEW SECTION

WAC 51-46-1304 System installation and performance testing.

1304.0 System Installation and Installer Performance Testing.

1304.1 Medical gas and medical vacuum systems shall be designed and installed in accordance with the requirements of this Chapter and the installation requirement of this Code, specifically Chapter 14 of this Code.

1304.2 A report of completion of the installer performance testing which includes the specific items in Chapter 14 shall be furnished to the Administrative Authority prior to system verification.

NEW SECTION

WAC 51-46-1305 System verification.

1305.0 System Verification.

1305.1 Prior to any medical gas system being placed in service, each and every system shall be verified as described in Chapter 14. This verification shall be accomplished by an independent third party verification agency which is approved by the Administrative Authority.

1305.2 A report which includes at least the specific items in Chapter 14 shall be furnished to the Administrative Authority prior to final acceptance of the system.

NEW SECTION

WAC 51-46-1400 Referenced standards.

NEW SECTION

WAC 51-46-1401 Referenced standards.

CHAPTER 14

REFERENCED STANDARDS

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Footnotes to standards listed in Table 14-1 and abbreviations are at the end of the table.	

PERMANENT

NEW SECTION

WAC 51-46-1491 Table 14-1 Standards for materials, equipment, joints and connections.

TABLE 14-1

Standards for Materials, Equipment, Joints and Connections

Where more than one standard has been listed for the same material or method, the relevant portions of all such standards shall apply.

Item	ANSI	ASTM	Other
APPLIANCES AND APPURTENANCES PLUMBING			
Chimneys, factory-built residential type and building heating appliances	UL 103-95		
Dishwashers, households	AHAM DW-2PR-86 UL 749-94 ASSE 1006-8S		
Dishwashers, commercial	ASSE 1004-90 UL 921-95		NSF No. 3-82
Draft Hoods	Z21.12-90		
Electrical heating, water supply, and power boilers	UL 834-91		
Electrical heating appliances	UL 499-87		
Food waste disposers (grinders), household	ASSE 1008-89 AHAM FWD-2PR-80 (R1989) UL 430-86		
Food waste disposers (grinders), commercial	ASSE 1009-90 AHAM FWD-1-83		
Gas vents	UL 441-91		
Icemakers	UL 563-91		
Laundry equipment, household	ASSE 1007-92 AHAM HLW-2 PR-86		
Manual food and beverage dispensing equipment	NSF 18-90		

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Item	ANSI	ASTM	Other
Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves	Z21.15-92		
Manually Operated Metallic Gas Valves (Line Type) for Use in Gas Piping Systems Up to 125 psig(Sizes 1/2 in. through 2 in.)	ASME B16.33-90		
Large Metallic Valves for Gas Distribution (Manually Operated, NPS 2-1/2 to 12, 125 psig Maximum)	ASME B16.38-85		
Metal Gas Connectors for Gas Appliances	Z21.24-93		
Quick Disconnect Devices for Use with Gas Fuel	Z21.41-89		
Pressure Regulating Valves for LP Gas Pigtails and Flexible Hose Connectors for LP-Gas	UL 144-85 UL 569-94		
Steel auxiliary tanks for oil-burner fuel	UL 443-89		
Steel inside tanks for oil burner fuel	UL 80-92		
Constant-level oil valves	UL 352-92		
Oil fired boiler assemblies	UL 726-90		
Water Heaters			
Water heater relief valve drain tubes	ASME A112.4.1-93		
Electric Booster and Commercial Storage Tank Water Heaters	UL 1453-94		
Gas, Volume III, circulating tank instantaneous and large automatic type water heaters	Z21.10.3a-94 Z21.10.32-90 Z21.10.3b-92		
Gas, Volume I, automatic storage-type water heaters with input of 75,000 BTU/H (22 kW), or less	Z21.10.1a-94		
Electric	Z21.10.1a-91 UL 174-89		
Oil	Z21.10.1b-92 UL 732-87		
Gas Fired Low-Pressure Steam and Hot Water Boilers and Addenda	Z21.13-91		
DRAINAGE SYSTEM - SANITARY			
Building Sewers			
Cast iron soil pipe and fittings - hub and spigot		A 74-93 ¹	CISPI HSN-85

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Item	ANSI	ASTM	Other
Hubless cast iron sanitary system			CISPI 301-90 CISPI 310-90 IAPMO IS 6-95
Ductile iron pipe centrifugally cast in sand-lined or metal molds	AWWA C151/ A21.51-91	A 377-89	
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Clay pipe	A106.6-70	C 700-91 C 425-90a C 428-92 ^{6,7}	IAPMO IS 18-85
Asbestos-cement nonpressure sewer pipe			
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper water tube		B 88-93a	IAPMO IS 3-93
Copper drainage tube		B 306-92	IAPMO IS 3-93
Cast copper alloy solder joint drainage fittings	ASME B16.23-92		IAPMO IS 3-93
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Concrete sewer, storm drain and culvert pipe		C 14-92	
Low pressure air test for building sewers (Installation)		IAPMO IS 16-84	
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 1-91 IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) sewer pipe and fittings	NSF 14-90	D 2751-93 ¹	IAPMO IS 11-87 IAPMO IS 1-91
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 1-91 IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) composite sewer piping		D 2680-93	IS 1-91
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 1-91 IAPMO IS 9-95
Type PSP poly (vinyl chloride) (PVC) sewer pipe and fittings	NSF 14-90	D 3033-85 (D)	IAPMO IS 1-91

Item	ANSI	ASTM	Other
Shielded couplings joining hubless cast iron soil pipe and fittings		C 1277-94	
Ductile iron pipe centrifugally cast in sand-lined or metal molds	AWWA C151/ A21.51-91	A 377-89	
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA 153/ A21.53-88		
Copper alloy sand casting for general applications		B 584-93b ³	
Seamless copper water tube		B 88-93a	IAPMO IS 3-93
Copper drainage tube		B 306-92	IAPMO IS 3-93
Seamless copper tube		B 75-93	IAPMO IS 3-93
Seamless brass tube		B 135-91	
Cast bronze solder-joint drainage fittings	ASME B16.23-92		
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Steel pipe (galvanized)	ASME B36.10-85	A 53-93a A 120-84 (D)	
Cast iron threaded drainage fittings	ASME B16.12-91 ¹		
Lead pipe and bends			WW-P 325B-76
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Coextruded poly (vinyl chloride) (PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 9-95
Building Drains - Below Ground			
Cast iron soil pipe and fittings - hub and spigot		A 74-93 ¹	CISPI HSN-85
Hubless cast iron sanitary system		C 564-95a	CISPI 310-90 CISPI 301-90 ¹ IAPMO IS 6-95
Ductile iron pipe centrifugally cast in sand-lined or metal molds	AWWA C151/ A21.51-91	A 377-89	

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Item	ANSI	ASTM	Other
Type PSM poly (vinyl chloride) (PVC) sewer pipe and fittings	NSF 14-90	D 3034-94	IAPMO IS 1-91
Poly (vinyl chloride) (PVC) sewer pipe and fittings	NSF 14-90	D 2729-93 ¹	IAPMO IS 1-91
Type PS-46 poly (vinyl chloride) (PVC) plastic gravity flow sewer pipe and fittings	NSF 14-90	F 789-89 ¹	IAPMO IS 1-91
Coextruded poly (vinyl chloride)(PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 1-91 IAPMO IS 9-95
Poly (vinyl chloride) (PVC) corrugated sewer pipe with a smooth interior and fittings		F 949-93a	IAPMO IS 1-91
Building Drains Above Ground			
Cast iron soil pipe and fittings - hub and spigot		A 74-93 ¹	CISPI HSN-85
Hubless cast iron sanitary system		C 564-95a	CISPI 310-90 CISPI 301-90 ¹ IAPMO IS 6-95
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper water tube		B 88-93a	IAPMO IS 3-93
Copper drainage tube		B 306-92	IAPMO IS 3-93
Cast bronze solder-joint drainage fittings	ASME B16.23-92		
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Lead pipe and bends			WW-P-325B-76
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95

Item	ANSI	ASTM	Other
Coextruded poly (vinyl chloride)(PVC) plastic pipe with a cellular core Sanitary Drain and Waste - Above Ground		F 891-93a	IAPMO IS 9-95
Cast iron soil pipe and fittings hub and spigot		A 74-93 ¹	CISPI HSN-85
Hubless cast iron sanitary system		C 564-95a	CISPI 310-90, CISPI 301-90 ¹ , IAPMO IS 6-95
Ductile iron pipe centrifugally cast in sand-lined or metal molds	AWWA C151/ A21.51-91	A 377-89	
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper water tube		B 88-93a	IAPMO IS 3-93
Copper drainage tube		B 306-92	IAPMO IS 3-93
Cast bronze solder-joint drainage fittings	ASME B16.23-92		
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Cast bronze solder-joint fittings for solvent drainage systems	ASME B16.32-92		
Copper alloy fixture fittings	ASME A112.18.1M-94		
Lead pipe and bends			WW-P-325B-76
Steel pipe (galvanized)	ASME B36.10M-85	A 53-93a A 120-84 (D)	
Cast iron threaded drainage fittings	ASME B16.12-91		
ABS and PVC piston driven DWV expansion joints			IAPMO PS 51-92
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95

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Item	ANSI	ASTM	Other
Coextruded poly (vinyl chloride)(PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 9-95
Sanitary Drain and Waste - Below Ground			
Cast iron soil pipe and fittings hub and spigot		A 74-93 ¹	CISPI HSN-85
Hubless cast iron sanitary system			CISPI 301-90 ¹ CISPI 310-90 IAPMO IS 6-95
Ductile iron pipe centrifugally cast in sand-lined or metal molds	AWWA C151/ A21.51-91	A 377-89	
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper water tube		B 88-93a	IAPMO IS 3-93
Copper drainage tube		B 306-92	IAPMO IS 3-93
Cast bronze solder-joint drainage fittings	ASME B16.23-92		IAPMO IS 3-93
Copper flush pipes	ASME A112.18.1M-94		
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Cast bronze solder-joint fittings for solvent drainage systems	ASME B16.32-92		
Lead pipe, lead traps and bends			WW-P-325B-76
Cast iron threaded drainage fittings	ASME B16.12-91 ¹		
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Coextruded poly (vinyl chloride)(PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 9-95

Item	ANSI	ASTM	Other
JOINING MATERIALS AND METHODS - SANITARY DRAINAGE SYSTEMS			
Type "F" clamps for plumbing applications	SAE J1670-93		
Rubber gasket joints for ductile-iron and gray-iron pressure pipe and fittings	AWWA C111 A21.11-90		
Cast iron soil pipe and fittings hub and spigot neoprene compression gaskets, caulking, lead wool and lead pig		C 564-95a B 29-92	CISPI HSN-85
Threaded joints (IPS)	ASME B1.10.1-83 B1.20.3-91		
Hubless cast iron sanitary systems neoprene gasket and stainless steel shield		C 564-95a	CISPI 310-90, CISPI 301-90 ¹ , IAPMO IS 6-95
Flexible transition couplings for underground piping systems		C 1173-95	
Shielded transition couplings for use with dissimilar DWV pipe and fittings above ground			IAPMO PS 44-92
Clay pipe		C 425-90a	IAPMO IS 18-85
Brazing filler metals	AWS A5.8-92		
Solder metal and wiping solder		B 32-95a ⁴	
Silver brazing joints for wrought and cast solder-joint fittings			MSS-SP-73-91
Flux brazing			0-F-499D-85
Flux soldering			
Seal compound pipe joint and thread			TT-S-1732-71
Plastic DWV, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Solvent cement for Acrylonitrile-Butadiene- Styrene (ABS) plastic pipe and fittings	NSF 14-90	D 2235-93a	IAPMO IS11-87 IAPMO IS 5-92
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	IAPMO IS 5-92
Joints for drain and sewer plastic pipes using flexible elastomeric seals		D 3212-92	

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Item	ANSI	ASTM	Other
Plastic DWV, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Solvent cement for poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	D 2564-93	IAPMO IS 9-95
Primers for use in solvent cement joints of poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	F 656-93	IAPMO IS 9-95
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	IAPMO IS 9-95
Making solvent-cemented joints with poly (vinyl chloride)(PVC) pipe and fittings		D 2855-93	IAPMO IS 9-95
Joints for drain and sewer plastic pipes using flexible elastomeric seals		D 3212-92	
Plastic Sewer, ABS			
Solvent cement for Acrylonitrile-Butadiene-Styrene (ABS) plastic pipe and fittings	NSF 14-90	D 2235-93a	
Joints for drain and sewer plastic pipes using flexible elastomeric seals		D 3212-92	
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	
Underground installation of flexible thermo-plastic sewer pipe		D 2321-89	
Joints for drain and sewer plastic pipes using flexible elastomeric seals		D 3212-92	
Plastic Sewer, PVC			
Solvent cement for poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	D 2564-93	
Primers for use in solvent cement joints of poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	F 656-93	
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	
Underground installation of flexible thermo-plastic sewer pipe		D 2321-89	

Item	ANSI	ASTM	Other
Joints for drain and sewer plastic pipes using flexible elastomeric seals		D 3212-92	
Making solvent-cemented joints with poly (vinyl chloride) (PVC) pipe and fittings		D 2855-93	
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	
Underground installation of flexible thermo-plastic sewer pipe		D 2321-89	
Joints for drain and sewer plastic pipes using flexible elastomeric seals		D 3212-92	
Plastic stabilizers for use with plastic closet bends			IAPMO PS 91-95
Mechanical cast iron closet flanges			IAPMO PS 97-96
Pumps - Drainage			
Sewage pump, centrifugal, wet pit			
Sump pumps, vertical, wet pit			MIL-P-21214B-92
Sewage Ejectors			
Mechanical and air			
DRAINS - STORM			
Building Storm Sewers			
Joints for circular concrete sewer and culvert pipe, using rubber gaskets		C 443-85a(R90)	
Cast iron soil pipe and fittings hub and spigot		A 74-93 ¹ C 564-95a	CISPI HSN-85
Hubless cast iron sanitary system		C 564-95a	CISPI 301-90 ¹ CISPI 310-90
Flexible transition couplings for underground piping systems		C 1173-95	IAPMO IS 6-95
Ductile iron pipe centrifugally cast in sand-lined or metal molds	AWWA C151/ A21.51-91	A 377-89	
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Clay pipe		C 700-91 C 425-90a	IAPMO IS 1-91 IAPMO IS 18-85
Asbestos-cement nonpressure sewer pipe		C 428-92 ^{6,7}	

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Item	ANSI	ASTM	Other
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper water tube (types K, L and M)		B 88-93a	IAPMO IS 3-93
Copper drainage tube-type DWV		B 306-92	IAPMO IS 3-93
Cast copper alloy solder joint drainage fittings	ASME B16.23-92		IAPMO IS 3-93
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Concrete sewer, storm drain and culvert pipe		C 14-92	
Low pressure air test for building sewers (Installation)			IAPMO IS 16-84
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	M265-811 IAPMO IS 1-91 IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) sewer pipe and fittings	NSF 14-90 K65.59-71	D 2751-93 ¹	IAPMO IS11-87 IAPMO IS 1-91
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92 IAPMO IS 1-91
Acrylonitrile-Butadiene-Styrene (ABS) composite sewer pipe		D 2680-93	IAPMO IS 1-91
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95 IAPMO IS 1-91
Type PSP poly (vinyl chloride) (PVC) sewer pipe and fittings	NSF 14-90	D 3033-85 (D)	IAPMO IS 1-91
Type PSM poly (vinyl chloride) (PVC) sewer pipe and fittings	NSF 14-90	D 3034-94	IAPMO IS 1-91
Type PS-46 poly (vinyl chloride) (PVC) plastic gravity flow sewer pipe and fittings	NSF 14-90	F 789-89 ¹	IAPMO IS 1-91
Coextruded poly (vinyl chloride)(PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 1-91 IAPMO IS 9-95
Poly (vinyl chloride) (PVC) corrugated sewer pipe with a smooth interior and fittings		F 949-93a	IAPMO IS 1-91

Item	ANSI	ASTM	Other
SUBSOIL DRAINS			
Cast iron soil pipe and fittings hub and spigot		C 564-95a A 74-93 ¹	CISPI HSN-85
Hubless cast iron sanitary system		C 564-95a	CISPI 310-90 CISPI 301-90 ¹ IAPMO IS 6-95 IAPMO IS 18-85
Clay pipe		C 700-91	
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper water tube (types K, L and M)		B 88-93a	IAPMO IS 3-93
Copper drainage tube-type DWV		B 306-92	IAPMO IS 3-93
Cast bronze solder-joint drainage fittings	ASME B16.23-92		IAPMO IS 3-93
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Plastic, PE			
Corrugated polyethylene tubing		F 405-93	
Plastic, SR			
Styrene-rubber (SR) plastic drain pipe, perforated-type		D 3298-81 (D)	
ROOF DRAINS			
Copper and other metallic roof/deck/balcony drains	A112.21.2M-83		IAPMO PS 41-91
Plastic roof drains			IAPMO PS 47-92
JOINING MATERIALS AND METHODS - SUBSOIL DRAINS			
Clay pipe (open jointed clay pipe or perforated clay pipe)		C 425.90a	
Caulking lead, wool and lead pig		B 29-92	
Brazing filler metals	AWS A5.8-92		
Solder metal and wiping solder		B 32-95a ⁴	MSS-SP-73-91
Silver brazing joints for wrought and cast solder joint fittings			
Plastic, PE			
Corrugated polyethylene tubing		F 405-93	
Underground installation of flexible thermo-plastic sewer pipe		D 2321-89	
Plastic, PVC			
Solvent cements for poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	D 2564-93	IAPMO IS 9-95

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Item	ANSI	ASTM	Other
Primers for use in solvent cement joints of poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	F 656-93	IAPMO IS 9-95
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	IAPMO IS 9-95
Underground installation of flexible thermo-plastic sewer pipe		D 2321-89	
Making solvent-cemented joints with poly (vinyl chloride) (PVC) pipe and fittings		D 2855-93	IAPMO IS 9-95
Plastic, SR			
Solvent cement for styrene-rubber (SR) plastic pipe and fittings		D 3122-93	
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	
Underground installation of flexible thermo-plastic sewer pipe		D 2321-89	
FIXTURES AND TRIM - PLUMBING			
Plumbing fixtures, general specification			WW-P-541-E-Gen.1980
Drains for prefabricated and precast showers			IAPMO PS 4-95
Porous filter protector for sub-drain weep holes			IAPMO PS 100-96
Prefabricated fiberglass church baptistries			IAPMO PS 98-96
Bathwaste strainer drains			IAPMO PS 55-92
Plastic bathwaste and overflow assemblies			IAPMO PS 69-93
Bathtub/whirlpool bathtubs with pressure sealed doors			IAPMO PS 70-93
Electronic controlled showers			IAPMO PS 71-93
Flexible metallic water connectors			IAPMO PS 14-89
Non-Vitreous Ceramic Plumbing Fixtures	ASME A112.19.9M-91		
Plumbing fixtures, stainless steel	ASME A112.19.3M-87		
Shower heads and water control valves	ASME A112.18.1M-94		
	ASSE 1016-90		
	ASSE 1017-86		
Water flow control devices			ASSE 1028-81 ASSE 1034-81

Item	ANSI	ASTM	Other
Showers, plastic	Z124.2-95		
Showers, terrazzo			IAPMO PS 99-96
Shower pans-sheet lead, grade B, 4 lb. min.			00-L-201 f-70
Shower units, chlorinated polyethylene sheeting		D 4068-91	
Subdrains for built-up shower pans			IAPMO PS 16-90
Tile-Lined shower receptors (and replacements) (Installation)			IAPMO IS 4-96
Load bearing, bonded, waterproof membranes for thin-set ceramic tile and dimension stone installations	A118.10-93		
Poly (vinyl chloride)(PVC) plastic flexible concealed water-containment membranes		D 4551-91	
Sinks, kitchen, service	ASME A112.19.1M-87		
Sinks, Plastic	Z124.6-90		
Sinks, terrazzo			IAPMO PS 99-96
Laundry tubs	ASME A112.19.1M-87		
Supports for off-the-floor plumbing fixtures with or without concealed tanks			IAPMO PS 58-92
Supports for off-floor plumbing fixtures for public use	ASME A112.6.1M-88		
Urinals	ASME A112.19.2M-95 Z124.9-94 ¹		
Water Closets			
Vitreous china	ASME A112.19.2M-95		
Plastic	Z124.4-86 Z124.4a-90		
Water closet trim	A112.19.5-79		
Plastic Toilet (Water Closet) Seats	Z124.5-89		
Water closet seats with spray			IAPMO PS 93-95
Hydraulic Requirements for Water Closets & Urinals	ASME A112.19.6-90		
Fabricated stainless steel security water closets			IAPMO PS 61-92
Electrohydraulic water closets			IAPMO PS 77-95
Dual flush for electrohydraulic and gravity 6 liter (1.6 gallons) water closet			IAPMO PS 78-95
Whirlpool Bathtubs			
Appliances	ASME A112.19.7M-95		
Suction fittings	ASME A112.19.8M-87		

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Item	ANSI	ASTM	Other
Soaking and hydrotherapy (whirlpool) bathtubs with hydraulic seatlift			IAPMO PS 89-95
Bathtubs			
Cast iron	ASME A112.19.1M-87		
Steel	ASME A112.19.4M-94		
Plastic	Z124.1-95		
Terrazzo			IAPMO PS 99-96
Built-Up Fixtures			
Roman tubs			IAPMO IS 2-92
Drinking fountains and drinking water coolers	ARI 1010-84 UL 399-92		
Plumbing fixture fittings	ASME A112.18.1M-94		
Bathtub three-way diverter valves with backflow protection			IAPMO PS 45-91
Backflow prevention requirements for fixture fittings with hose connected singular moveable outlets			IAPMO PS 49-92
Fixture supply and drains	ASME A112.18.1M-94		
Floor drains	ASME A112.21.1M-91 ¹		
Enameled cast iron sanitary floor sinks			IAPMO PS 62-93
Epoxy coated cast iron sanitary floor sinks			IAPMO PS 83-95
PVC plastic sanitary floor sinks			IAPMO PS 84-95
Flushometers			
Pressurized flushing devices	ASSE 1037-90		MIL-V-29193-80(D)
Lavatories			
Vitreous china	ASME A112.19.2M-95		
Cast iron	ASME A112.19.1M-87		
Steel, enamel	ASME A112.19.4M-94		
Plastic and cultured marble	Z124.3-95		
Steel, stainless	ASME A112.19.3M-87		
Utility Hydrants	ASME A112.21.3M-85 ¹		
Wall hydrants, anti-freeze-type with vacuum breaker	ASSE 1019-95		
Accessibility Standard	CABO A117.1-92		
HANGERS AND SUPPORTS - PIPING			
Plastic Waste, ABS			MSS SP-58-93
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste, and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92

Item	ANSI	ASTM	Other
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste, and vent pipe having a foam core Drain, waste, and vent hangers	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Plastic Waste, PVC Poly (vinyl chloride) (PVC) plastic drain, waste, and vent pipe and fittings Drain, waste, and vent hangers	NSF 14-90	D 2665-94	IAPMO PS 95-96 IAPMO IS 9-95 IAPMO PS 95-96
Plastic Water Distribution Piping, CPVC Chlorinated poly (vinyl chloride) CPVC plastic hot-and cold-water distribution system Supports for off-the-floor plumbing fixtures for public use	NSF 14-90 ASME A112.6.1M-88	D 2846-93	
INDIRECT WASTE PIPING AND SPECIAL WASTE			
Indirect Waste Piping			
Cast iron soil pipe and fittings - hub and spigot Hubless cast iron sanitary system coupling		A 74-93 ¹	CISPI HSN-85 CISPI 301-90 ¹ CISPI 310-90 IAPMO IS 6-95
Steel pipe (galvanized)		A 53-93a A 120-84 (D)	
Cast iron threaded drainage fittings Copper alloy sand casting for general applications		A 126-93 B 584-93b ⁵	
Seamless copper water tube Copper drainage tube		B 88-93a B 306-92	IAPMO IS 3-93 IAPMO IS 3-93
Cast bronze solder-joint drainage fittings	ASME B16.23-92		IAPMO IS 3-93
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92

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Item	ANSI	ASTM	Other
Plastic, PP Polypropylene (PP) pipe and fittings (Sch. 40 and 80)	NSF 14-90	D 2146-82 (D)	
Plastic, PVC Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings Coextruded poly (vinyl chloride) (PVC) plastic pipe with a cellular core	NSF 14-90	D 2665-94 F 891-93a	IAPMO IS 9-95 IAPMO IS 9-95
Special Waste Piping			
Chemical			
Clay pipe		C 700-91	IAPMO IS 18-85
Lead pipe		C 425-92a	WW-P-325B-76
Glass			MIL-P-22561-82(D)
Borosilicate glass pipe and fittings for drain, waste and vent (DWV) applications		C 1053-90 ¹	
Corrosion-resistant high silicon cast iron hub and spigot		A 518-92	
High-Silicon Iron Pipe and Fittings		A 861-92 ¹	
Fiberglass (glass fiber reinforced thermosetting resin) fittings			IAPMO PS 82-95
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Plastic, PP			
Polypropylene (PP) pipe and fittings (Sch.40 and 80)	NSF 14-90	D 2146 (D)	
Polyolefin pipe and fittings for corrosive waste drainage systems		F 1412-94	
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95

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Item	ANSI	ASTM	Other
Coextruded poly (vinyl chloride)(PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 9-95
Corrosive waste piping			
Clay pipe		C 700-91	IAPMO IS 18-85
Lead pipe		C 425-90a	WW-P-325B-76
Glass			MIL-P-22561-82(D)
Borosilicate glass pipe and fittings for drain, waste and vent (DWV) applications		C 1053-90 ¹	
Corrosion-resistant high silicon cast iron hub and spigot		A 518-92	
Fiberglass (glass fiber reinforced thermosetting resin) fittings			IAPMO PS 82-95
High-Silicon Iron Pipe and Fittings		A 861-92 ¹	
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,2}	IAPMO IS 5-92
Plastic, PP			
Polypropylene (PP) pipe and fittings (Sch. 40 and 80)	NSF 14-90	D 2146 (D)	
Polyolefin pipe and fittings for corrosive waste drainage systems		F 1412-94	
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Industrial			
Cast iron soil pipe and fittings - hub and spigot		A 74-93 ¹	CISPI HSN-85
Hubless cast iron sanitary system coupling			CISPI 301-90 ¹ CISPI 310-90 CISPI HSN-85 IAPMO IS 6-95

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Item	ANSI	ASTM	Other
Corrosion-resistant high silicon cast iron hub and spigot		A 518-92	
Fiberglass (glass fiber reinforced thermosetting resin) fittings			IAPMO PS 82-95
Steel pipe (galvanized)	B125.1	A 53-93a	
Cast iron threaded drainage fittings	ASME B16.12-91 ¹	A 120-84 (D)	
Clay pipe		A 126-93	IAPMO IS 18-85
Lead pipe		C 700-91	WW-P-325B-76
Plastic, ABS		C 425-90a	
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,2}	IAPMO IS 5-92
Plastic, PP			
Polypropylene (PP) pipe and fittings (Sch. 40 and 80)	NSF 14-90	D 2146 (D)	
Polyolefin pipe and fittings for corrosive waste drainage systems		F 1412-94	
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Coextruded poly (vinyl chloride)(PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 9-95
JOINING METHODS - INDIRECT WASTE PIPING AND SPECIAL WASTE			
Type "F" clamps for plumbing applications	SAE J1670-93		
Corrosion-resistant high silicon cast iron hub and spigot		A 518-92	
Fiberglass (glass fiber reinforced thermosetting resin) fittings			IAPMO PS 82-95
Cast iron soil pipe and fittings hub and spigot -neoprene gaskets, compression caulking, lead wool and lead pig		A 7-93 ¹	CISPI HSN-85
Hubless cast iron sanitary system neoprene gasket and stainless steel shield		C 564-95a	CISPI 301-90 CISPI 310-90 IAPMO IS 6-95

Item	ANSI	ASTM	Other
Clay pipe		C 425-90a	IAPMO IS 18-85
Silver brazing joints for wrought and cast bronze solder joint fittings	A106.6-77		MSS-SP-73-91
Solder metal		B 32-95a ⁴	
Brazing filler metal	AWS A5.8-92		
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Solvent cement for Acrylonitrile-Butadiene-Styrene (ABS) plastic pipe and fittings	NSF 14-90	D 2235-93a	
Joints for drain and sewer plastic pipes using flexible thermoplastic sewer pipe		D 3212-92	
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	
Plastic, PP			
Practice for heating joining of thermal plastic pipe and fittings		D 2657-90	
Polypropylene (PP) pipe and fittings (Sch. 40 and 80)	NSF 14-90	D 2146-82 (D)	
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Solvent cement for poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	D 2564-93	IAPMO IS 9-95
Primers for use in solvent cement joints of poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	F 656-93	IAPMO IS 9-95
Making solvent-cemented joints with poly (vinyl chloride) (PVC) pipe and fittings		D 2855-93	IAPMO IS 9-95
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	IAPMO IS 9-95
Joints for drain and sewer plastic pipes using flexible elastomeric seals		D 3212-92	

Item	ANSI	ASTM	Other
INTERCEPTORS AND BACKWATER VALVES			
Interceptors			
Grease (Grease Traps)			PDI G-101-85 IAPMO PS 13-89 ²
Grease interceptors and clarifiers			IAPMO PS 80-95
Sand			
Oil			PDI G-101-85
Rainwater diverter valve for non-roofed area slabs			IAPMO PS 8-77 (D) IAPMO PS 86-95
Backwater Valves			
Acrylonitrile-butadiene-styrene (ABS) and poly (vinyl chloride) (PVC) backwater valves	A112.14.1-75 (Rev.90)		IAPMO PS 38-91
MANHOLES			
MEDICAL GAS AND VACUUM SYSTEMS			
Medical Gas Systems	NFPA 99-96 (Ch. 2 & 4)	C 478-90b	
Medical - Surgical Vacuum Systems	NFPA 99-96 (Ch. 2 & 4)		
JOINING MATERIALS AND METHODS -MEDICAL GAS PIPING			
Seamless copper tube for medical gas systems		B 819-92	
Brazing filler metal	AWS A5.8-92		
Certified Brazing			AWS B2.2. ASME Section IX Boiler and Pressure Vessel Code
MISCELLANEOUS			
National fuel gas code	Z223.1-92/ NFPA 54		
Energy efficient design of new buildings except low-rise residential buildings	ASHRAE 90.1-89		
Proportional chemical dispensers with backflow protection			IAPMO PS 75-95

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Item	ANSI	ASTM	Other
Ballcock or flushometer valve tailpiece trap primers and trap primer receptors/adapters			IAPMO PS 76-95
Multiport electronic trap primer			IAPMO PS 79-95
Diverters for faucets with antisiphon	ASSE 1025-78		
Hand-held water connected shower devices	ASSE 1014-90		
Water closet flush tank ballcocks	ASSE 1002-86		
Fixture mounted hot water dispensers	ASSE 1023-79		
Dishwasher drain air gap	AHAM DW-1-92		ASSE 1021-77
Accessible and usable buildings and facilities	CABO A117.1-92		
General requirements for wrought seamless copper and copper-alloy tube		B 251-93	
Welded Copper Tube		B 447-93	
Copper sheet and strip for building construction		B 370-92	
Copper sheet, strip, plate, and rolled bar		B 152-94	
General requirements for steel sheet, zinc-coated (galvanized) by the hot-dip process		A 525-93	
Seamless copper tube for air conditioning and refrigeration field service		B 280-93a	
Schemes for identification of piping systems	A13.1-81(R93)		
Threaded joints	B2.1-90		
Drinking water treatment units - aesthetic effects	NSF 42-88		
Drinking water treatment units - health effects	NSF 53-94		
Reverse osmosis drinking water treatment systems	NSF 58-96		
Liquified petroleum gases, storage and handling	NFPA 58-92		
Welded and seamless carbon steel and austenitic stainless steel pipe nipples		A 733-89	
Brass-, copper-, and chromium-plated pipe nipples		B 687-88.1	
Thermoplastic gas pressure pipe tubing and fittings		D 2513-94a ¹	IAPMO IS 12-93
Anodeless transition riser for use with polyethylene and PVC gas yard piping			IAPMO PS 40-91

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Item	ANSI	ASTM	Other
Thermoplastic well casing pipe and couplings made in standard dimension ratios (SDR) schedule 40 and schedule 80		F 480-94	
Asbestos cement pressure pipe for water service and yard piping (Installation)			IAPMO IS 15-82
Special cast iron fittings			IAPMO PS 5-84
Tubing trap wall adapters			IAPMO PS 7-84
Diversion tees and twin waste elbows			IAPMO PS 9-84
Pipe flashings			IAPMO PS 64-93
Smoothwall polyethylene (PE) pipe for use in drainage and waste disposal absorption fields		F 810-93	
PUMPS			
Sump Pumps			
Sewage pumps			MIL-P-21251B-81 (D) SSPMA-85
Vertical sump pumps			MIL-P-21214B-92 SSPMA-85
Pumps - Water			
Motor-operated water pumps	UL 778-91		
Centrifugal - general service			
Submersible, axial flow, electric motor driven			MIL-P-62156 (1)-1983 (D)
Shallow-well pumps			MIL-P-52407 (A)-1976 (D)
BUILDING SEWER - COMBINED			
Cast iron soil pipe and fittings hub and spigot		A 74-93 ¹	CISPI HSN-85
Hubless cast iron sanitary system		C 564-95a	CISPI 301-90 ¹ IAPMO IS 6-95 CISPI 310-90
Ductile iron pipe centrifugally cast in sand-lined or metal molds	AWWA C151/ A21.51-91	A 377-89	
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Clay pipe		C 700-91 C 425-90a	IAPMO IS 1-91 IAPMO IS 18-85

Item	ANSI	ASTM	Other
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper water tube (types K, L and M)		B 88-93a	IAPMO IS 3-93
Copper drainage tube (DWV)		B 306-92	IAPMO IS 3-93
Cast bronze solder joint drainage fittings	ASME B16-23-92		IAPMO IS 3-93
Wrought copper and copper alloy-solder joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings		D 2661-94a ¹	IAPMO IS 5-92 IAPMO IS 1-91
Acrylonitrile-Butadiene-Styrene (ABS) sewer pipe and fittings	NSF 14-90	D 2751-93 ¹	IAPMO IS11-87 IAPMO IS 1-91
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 1-91 IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) composite sewer pipe		D 2680-93	IAPMO IS 1-91
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain waste and vent pipe and fittings	NSF 14-90	D 2665-94 (D)	IAPMO IS 9-95 IAPMO IS 1-91
Coextruded poly (vinyl chloride) (PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 1-91 IAPMO IS 9-95
Type PSP poly (vinyl gravity flow chloride) (PVC) sewer pipe and fittings	NSF 14-90	D 3033-85 (D)	IAPMO IS 1-91
Type PSM poly (vinyl chloride) (PVC) sewer pipe and fittings	NSF 14-90	D 3034-94	IAPMO IS 1-91
Type PS-46 poly (vinyl chloride) (PVC) plastic gravity flow sewer pipe and fittings	NSF 14-90	F 789-89 ¹	IAPMO IS 1-91
INTERIOR STORM DRAINS - ABOVE GROUND			
Cast iron soil pipe and fitting hub and spigot		C 564-95a A 74-93 ¹	CISPI HSN-85
Shielded couplings joining hubless cast iron soil pipe and fittings		C 1277-94	
Hubless cast iron sanitary systems		C 564-95a	CISPI 310-90 CISPI 301-90 ¹ IAPMO IS 6-95

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Item	ANSI	ASTM	Other
Ductile iron pipe centrifugally cast in sand-lined or metal molds	AWWA C151/ A21.51-91	A 377-89	
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper water tube (types K, L and M)		B 88-93a	IAPMO IS 3-93
Copper drainage tube (type DWV)		B 306-92	IAPMO IS 3-93
Cast copper alloy solder joint drainage fittings	ASME B16.23-92		IAPMO IS 3-93
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Lead pipe			WW-P-325B -76
Steel pipe (galvanized)	ASME B36.10M-85	A 53-93a A 120-84 (D)	
Cast iron threaded drainage fittings	ASME B16.12-91 ¹		
ABS and PVC piston driven DWV expansion joints			IAPMO PS 51-92
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ¹	IAPMO IS 5-92
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Coextruded poly (vinyl chloride) (PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 9-95
BUILDING STORM DRAINS - BELOW GROUND			
Cast iron soil pipe and fittings hub and spigot		C 564-95a A 74-93 ¹	CISPI HSN-85
Hubless cast iron sanitary system		C 564-95a	CISPI 301-90 ¹ CISPI 310-90 IAPMO IS 6-95
Ductile iron pipe centrifugally cast in sand-lined or metal molds	AWWA C151/ A21.51-91	A 377-89	

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Item	ANSI	ASTM	Other
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Clay pipe		C 700-91 C 425-90a	IAPMO IS 18-85
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper water tube (types K, L, and M)		B 88-93a	IAPMO IS 3-93
Copper drainage tube (type DWV)		B 306-92	IAPMO IS 3-93
Cast copper alloy solder-joint drainage fittings	ASME B16.23-92		IAPMO IS 3-93
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Lead pipe and bends			WW-P-325B-76
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Coextruded poly (vinyl chloride)(PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 9-95
JOINING MATERIALS AND METHODS - STORM DRAIN			
Type "F" clamps for plumbing applications	SAE J1670-93		
Cast iron soil pipe and fittings hub and spigot			CISPI HSN-85
Neoprene gaskets, compression		C 564-95a	
Caulking, lead wool and lead pig		B 29-92	CISPI 301-85 ¹
Hubless cast iron sanitary systems neoprene		C 564-95a	CISPI 301-90 ¹ CISPI 310-90 IAPMO IS 6-95
Shielded transition couplings for use with dissimilar DWV pipe and fittings above ground			IAPMO PS 44-92
Clay pipe		C 425-90a	IAPMO IS 18-85

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Item	ANSI	ASTM	Other
Brazing filler metals	AWS A5.8-92		
Solder metal and wiping solder		B 32-95a ⁴	
Silver brazing joints for wrought and			MSS-SP-73-91
cast iron-solder joint fillings			
Flux, brazing			O-F-499d-85
Flux, soldering			O-F-506C-72 (D)
Seal, compound pipe joint and thread			TT-S-1732-71
Rubber gasket joints for ductile-iron and	AWWA C111/		
gray-iron pressure pipe and fittings	A21.11-90		
Plastic DWV, ABS			
Acrylonitrile-Butadiene-Styrene	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
(ABS) Sch. 40 plastic drain, waste			
and vent pipe and fittings			
Acrylonitrile-Butadiene-Styrene	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
(ABS) Sch. 40 plastic drain, waste			
and vent pipe having a foam core			
Solvent cement for Acrylonitrile-	NSF 14-90	D 2235-93a	IAPMO IS11-87
Butadiene-Styrene (ABS) plastic			
pipe and fittings			
Solvent Cements for Acrylonitrile-	NSF 14-90	D 2564-93	IAPMO IS 8-95
Butadiene-Styrene (ABS) plastic			
pipe and fittings			
Joints for drain and sewer plastic		D 3212-92	
pipes using flexible elastomeric			
seals			
Safe handling of solvent cements		F 402-93	IAPMO IS 8-95
and primers used for joining			
thermoplastic pipe and fittings			
Plastic DWV, PVC			
Poly (vinyl chloride) (PVC) plastic	NSF 14-90	D 2665-94	IAPMO IS 9-95
drain, waste and vent pipe and			
fittings			
Primers for use in solvent cement	NSF 14-90	F 656-93	IAPMO IS 9-95
joints of poly (vinyl chloride)			
(PVC) plastic pipe and fittings			
Safe handling of solvent cements		F 402-93	IAPMO IS 9-95
and primers used for joining			
thermoplastic pipe and fittings			
Making solvent-cemented joints		D2855-93	IAPMO IS 9-95
with poly (vinyl chloride) (PVC)			
pipe and fittings			
Joints for drain and sewer plastic		D 3212-92	
pipes using flexible elastomeric			
seals			

Item	ANSI	ASTM	Other
Plastic Sewer, ABS			
Solvent cement for Acrylonitrile-Butadiene-Styrene (ABS) plastic pipe and fittings	NSF 14-90	D 2235-93a	IAPMO IS11-87
Joints for drain and sewer plastic pipes using flexible elastomeric seals		D 3212-92	
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	
Underground installation of flexible thermoplastic sewer pipe		D 2321-89	
Joints for drain and sewer plastic pipes using flexible elastomeric seals		D 3212-92	
Plastic Sewer, PVC			
Solvent cements for poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	D 2564-93	
Primers for use in solvent cement joints of poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	F 656-93	
Safe handling of solvent cements and primers used for joining thermo-plastic pipe and fittings		F 402-93	
Underground installation of flexible thermo-plastic sewer pipe		D 2321-89	
Joints for drain and sewer plastic pipes using flexible elastomeric seals		D 3212-92	
Making solvent-cemented joints joints with poly (vinyl chloride) (PVC) pipe and fittings		D 2855-93	
Plastic Sewer, SR			
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	
Joints for drain and sewer plastic pipe using flexible elastomeric seals		D 3212-92	
Underground installation of flexible thermo-plastic sewer pipe		D 2321-89	
TRAPS AND CLEANOUTS			
Traps			
P-Trap, supply stop and riser insulated protector			IAPMO PS 94-96

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Item	ANSI	ASTM	Other
Copper alloy	ASME B16.23-92 ASME A112.18.1M-94		*IAPMO PS 2-89 *Applies to bronze trap IAPMO IS 3-93
Cast iron		A 74-93 ¹	CISPI 301-90 ¹
Lead			WW-P-325B-76
Malleable iron	ASME B16.3-92	A 197-87 (R-92)	
Plastic	NSF 14-90	F 409-93 ¹	
Plastic, ABS			
Thermoplastic accessible and replaceable plastic tube and tubular fittings	NSF 14-90	F 409-93 ¹	
Drain, waste, and vent (DWV) plastic fittings patterns		D 3311-92	
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste, and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) plastic drain, waste, and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,2}	IAPMO IS 5-92
Plastic, PP			
Thermoplastic accessible and replaceable plastic tube and tubular fittings	NSF 14-90	F 409-93 ¹	
Plastic, PVC			
Thermoplastic accessible and replaceable plastic tube and tubular fittings	NSF 14-90	F 409-93 ¹	
Drain, waste, and vent (DWV) plastic fittings patterns		D 3311-92 ¹	
Poly (vinyl chloride) (PVC) plastic drain, waste, and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Cleanouts - Plugs			
Metal	ASME A112.36.2M-91 ¹		
Cast iron		A 74-93 ¹	CISPI 301-85 ¹
Copper alloy	ASME B16.23-92		
Copper alloy sand casting for general applications		B 584-93b ⁵	
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste, and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92

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Item	ANSI	ASTM	Other
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste, and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Drain, waste, and vent (DWV) plastic fittings patterns		D 3311-92 ¹	
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste, and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.23-92	ASME B16.29-86 ¹	IAPMO IS 3-93
Cast bronze solder-joint fittings for solvent drainage systems	ASME B16.32-92		
Lead pipe			WW-P-325B-76
Steel pipe (galvanized)	B125.1-84 B125.2	A 53-93a A 120-84 (D)	
Malleable iron threaded fittings	ASME B16.3-92	A 197-87(R-92)	
Cast iron threaded fittings	ASME B16.12-91 ¹	A 126-93	
Elastomeric test caps/cleanout caps			IAPMO PS 90-95
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings		D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core		F 628-93 ^{1,3}	IAPMO IS 5-92
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	
VENTS AND VENTING			
Vents - Below Ground			
Cast iron soil pipe and fittings hub and spigot		C 564-95a A 74-93 ¹	CISPI HSN-85
Hubless cast iron sanitary system			CISPI 310-90 CISPI 301-90 ¹ IAPMO IS 6-95
Ductile iron pipe centrifugally cast in sand-lined or metal molds	AWWA C151/ A21.51-91	A 377-89	
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		

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Item	ANSI	ASTM	Other
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper water tube (types K, L and M)		B 88-93a	IAPMO IS 3-93
Copper drainage tube (type DWV)		B 306-92	IAPMO IS 3-93
Wrought copper and copper alloy solder-joint drainage fittings	ASME B16.29-86 ¹		IAPMO IS 3-93
Cast copper alloy solder-joint fittings for solvent drainage systems	ASME B16.32-92		
Lead pipe			WW-P-325B-76
Cast iron threaded fittings	ASME B16.12-91 ¹	A 126-93	
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Coextruded poly (vinyl chloride)(PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 9-95
JOINING MATERIALS AND METHODS – SANITARY VENTS			
Type “F” clamps for plumbing applications	SAE J1670-93		
Cast iron soil pipe and fittings hub and spigot neoprene compression gaskets, caulking, lead wool and lead pig		C 564-95a B 29-92	CISPI HSN-85
Rubber gasket joints for ductile-iron and gray and iron pressure pipe and fittings	AWWA C111/A21.11-90		
Hubless cast iron sanitary systems neoprene gasket and stainless steel shield		C 564-95a	CISPI 310-90 CISPI 301-90 ¹ IAPMO IS 6-95
Braze filler metals	AWS A5.8-92		
Solder metal and wiping solder		B 32-95a ⁴	
Silver brazing joints for wrought and cast solder joint			MSS-SP-73-91 O-F-499D-85
Flux, brazing			
Flux, soldering			

Item	ANSI	ASTM	Other
Seal compound pipe joint and thread			TT-S-1732-71
Threaded joints (IPS)	ASME B1.20.1-83(R-92)		
Dryseal Pipe Threads (Inch)	ASME B1.20.3-91		
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2661-94a ¹	IAPMO IS 5-92
Acrylonitrile-Butadiene-Styrene (ABS) Sch. 40 plastic drain, waste and vent pipe having a foam core	NSF 14-90	F 628-93 ^{1,3}	IAPMO IS 5-92
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	
Solvent cement for Acrylonitrile-Butadiene-Styrene (ABS) plastic pipe and fittings	NSF 14-90	D 2235-93a	IAPMO IS 5-92
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic drain, waste and vent pipe and fittings	NSF 14-90	D 2665-94	IAPMO IS 9-95
Coextruded poly (vinyl chloride)(PVC) plastic pipe with a cellular core		F 891-93a	IAPMO IS 9-95
Solvent cement for poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	D 2564-93	IAPMO IS 9-95
Primers for use in solvent cement joints of poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	F 656-93	IAPMO IS 9-95
Making solvent-cemented joints with poly (vinyl chloride) (PVC) pipe and fittings		D 2855-93	IAPMO IS 9-95
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	IAPMO IS 9-95
WATER SUPPLY SYSTEMS			
Water Service			
Asbestos-cement pressure pipe		C 296-93	
Asbestos-cement distribution pipe, 4 in. through 16 in. (100 mm through 400 mm) for water distribution systems	AWWA C400-93		
Ductile iron pipe centrifugally cast in metal or sand-lined molds	AWWA C151/ A21.51-91	A 377-89	

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Item	ANSI	ASTM	Other
Ductile iron or grey iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Gray Iron Threaded Fittings	ASMEB16.4-92		
Grooved-type mechanical couplings and fittings for cast iron pipe and ductile iron pipe	AWWA C606-87		
Copper alloy sand casting for general applications			
Seamless copper pipe		B 42-93	
Seamless red brass pipe		B 43-94	
Seamless copper water tube		B 88-93a	IAPMO IS 3-93
Reinforced thermo setting resin pipe	NSF 14-90	D 2996-88	
Threadless copper pipe		B 302-92	
Cast copper alloy threaded fittings, 125 and 250 class	ASME B16.15-85		
Cast copper alloy threadless fittings			MIL-F-1183-83[D]
Cast copper alloy solder-joint pressure fittings	ASME B16.18-84 ¹		IAPMO IS 3-93
Cast copper alloy fittings for flared copper tubes	ASME B16.26-88		IAPMO IS 3-93
Wrought copper and copper alloy solder-joint pressure fittings	ASME B16.22-95		IAPMO IS 3-93
Copper alloy flanges and flanged fittings 150-300 class	ASME B16.24-91		
Steel pipe (galvanized)	B125.1-84 B125.2-72	A 53-93a	IAPMO IS 13-91
Malleable iron threaded fittings	ASME B16.3-92	A 197-87 (R-92)	IAPMO IS 13-91
Stainless steel	A312-93 A40.3-93		
Plastic, ABS			
Acrylonitrile-Butadiene-Styrene (ABS) plastic pipe Sch. 40 and 80	NSF 14-90	D 1527-89	
Socket-type (ABS) plastic pipe fittings (Sch. 40)	NSF 14-90	D 2468-93	
Socket-type Acrylonitrile-Butadiene-Styrene (ABS) plastic pipe fittings, Sch. 80	NSF 14-90	D 2469-76[D]	
Threaded Acrylonitrile-Butadiene-Styrene (ABS) plastic pipe fittings, Sch. 80	NSF 14-90	D 2465-73[D]	
Acrylonitrile-Butadiene-Styrene (ABS) plastic pipe (SDR-PR)	NSF 14-90	D 2282-89	

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Item	ANSI	ASTM	Other
Plastic, CPVC			
Chlorinated poly (vinyl chloride) (CPVC) plastic pipe, Sch. 40 and 80	NSF 14-90	F 441-94	IAPMO IS 20-96
Socket-type chlorinated poly (vinyl chloride) (CPVC) plastic pipe fittings, Sch. 40	NSF 14-90	F 438-93	IAPMO IS 20-96
Chlorinated poly (vinyl chloride) (CPVC) plastic pipe (SDR-PR)	NSF 14-90	F 442-93	IAPMO IS 20-96
Threaded chlorinated poly (vinyl chloride) (CPVC) plastic pipe fittings, Sch. 80	NSF 14-90	F 437-93	IAPMO IS 20-96
Socket-type chlorinated poly (vinyl chloride) (CPVC) plastic pipe fittings, Sch. 80	NSF 14-90	F 439-93a	IAPMO IS 20-96
Bell-end chlorinated poly (vinyl chloride) (CPVC) pipe, Sch. 40	NSF 14-90	F 443-77 _a [D]	IAPMO IS 20-96
Chlorinated poly (vinyl chloride) (CPVC) plastic pipe, tubing and fittings	NSF 14-90	D 2846-93	IAPMO IS 20-96
Plastic, PB			
Polybutylene (PB) plastic pipe based on outside diameter	NSF 14-90	D 3000-93	
Polybutylene piping	AWWA C902-88 NSF 14-90		
Plastic, PE			
Polyethylene (PE) plastic pipe, (SDR-PR)	NSF 14-90	D 2239-93	IAPMO IS 7-90
Polyethylene (PE) plastic pipe, Sch. 40	NSF 14-90	D 2104-93	IAPMO IS 7-90
Polyethylene (PE) plastic tubing	NSF 14-90	D 2737-93	IAPMO IS 7-90
Polyethylene (PE) plastic pipe, Sch. 40 and 80 based on controlled outside diameter	NSF 14-90	D 2447-93	IAPMO IS 7-90
Polyethylene (PE) piping	AWWA C901-88 NSF 14-90		IAPMO IS 7-90
Plastic, PEX			
<u>Crosslinked Polyethylene (PEX) Tubing</u>		<u>ASTM F 876-93</u>	
<u>Crosslinked Polyethylene (PEX) Plastic hot- and cold-water distribution systems</u>		<u>ASTM F 877-93</u>	

PERMANENT

Item	ANSI	ASTM	Other
Plastic, PVC			
Poly (vinyl chloride) (PVC) plastic pipe Sch. 40, 80 and 120	NSF 14-90	D 1785-93	IAPMO IS 8-95
Socket-type poly(vinyl chloride) (PVC) plastic pipe fittings, Sch. 40	NSF 14-90	D 2466-94 ¹	IAPMO IS 8-95
Socket-type poly (vinyl chloride) (PVC) plastic pipe fittings, Sch. 80	NSF 14-90	D 2467-94 ¹	IAPMO IS 8-95
Threaded poly (vinyl chloride) (PVC) plastic pipe fittings, Sch. 80	NSF 14-90	D 2464-94 ¹	IAPMO IS 8-95
Socket-type poly (vinyl chloride) (PVC) plastic line couplings	NSF 14-90	D 3036-73[D]	IAPMO IS 8-95
Poly vinyl chloride (PVC) plastic pipe (SDR-PR)	NSF 14-90	D 2241-93	IAPMO IS 8-95
Joints for IPS PVC pipe using solvent cement	NSF 14-90	D 2672-94	IAPMO IS 8-95
Poly (vinyl chloride) (PVC) plastic tubing	NSF 14-90	D 2740-89 _{ai} [D]	IAPMO IS 8-95
Poly (vinyl chloride) (PVC) pressure pipe 4 in. to 12 in. (100 mm to 300 mm) for water	NSF 14-90 AWWA C900-89		IAPMO IS 8-95
Water Distribution Piping - Above Ground			
Welded Copper water tube		B 716-93	IAPMO IS 21-89
Copper alloy sand casting for general applications		B 584-93b ⁵	
Seamless copper pipe		B 42-93	IAPMO IS 3-93
Seamless red brass pipe		B 43-94	
Seamless copper water tube		B 88-93a	IAPMO IS 3-93
Seamless and welded copper distribution tube (Type D)		B 641-93	IAPMO IS 3-93
Threadless copper pipe		B 302-92	IAPMO IS 3-93
Cast copper alloy threaded fittings, 125 and 150 class	ASME B16.15-85		
Cast copper alloy threadless fittings			MIL-F-1183 H(1)-83 [D]
Cast copper alloy solder-joint pressure fittings	ASME B16.18-84 ¹		IAPMO IS 3-93
Cast copper alloy fittings for flared copper tubes	ASME B16.26-88		
Wrought copper and bronze solder-joint pressure fittings	ASME B16.22-95		IAPMO IS 3-93

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Item	ANSI	ASTM	Other
Copper alloy flanges and flanged fittings 150-300 class	ASME B16.24-91		
Steel pipe (galvanized)	ASME B36.10M-85	A 53-90a A 120-84[D]	
Malleable iron threaded fittings (galvanized)	ASME B16.3-92 A 197-87(R-92)		
Grooved-type mechanical couplings and fittings for steel pipe		A 47-93 A 536-84(R93)	
Ductile iron pipe centrifugally cast in metal or sand-lined molds	AWWA C151/ A21.51-91	A 377-89	
Ductile iron or gray iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Plastic, CPVC			
Chlorinated poly (vinyl chloride) (CPVC) plastic pipe, (SOR-PR) (cold water only)	NSF 14-90	F 442-93	IAPMO IS 20-96
Socket-type chlorinated poly (vinyl chloride) (CPVC) plastic pipe fittings, Sch. 40	NSF 14-90	F 438-93	IAPMO IS 20-96
Threaded chlorinated poly (vinyl chloride) (CPVC) plastic pipe fittings, Sch. 80	NSF 14-90	F 437-93	IAPMO IS 20-96
Socket-type chlorinated poly (vinyl chloride) (CPVC) plastic pipe fittings, Sch. 80	NSF 14-90	F 439-93a	IAPMO IS 20-96
Bell-end chlorinated poly (vinyl chloride) (CPVC) pipe, Sch. 40 (cold water only)	NSF 14-90	F 443-77 ₀₁ [D]	IAPMO IS 20-96
Chlorinated poly (vinyl chloride) (CPVC) plastic pipe, tubing and fittings	NSF 14-90	D 2846-93	IAPMO IS 20-96
Plastic, PEX			
<u>Crosslinked Polyethylene (PEX) Tubing</u>		<u>ASTM F 876-93</u>	
<u>Crosslinked Polyethylene (PEX) Plastic hot and cold-water distribution systems</u>		<u>ASTM F 877-93</u>	
Water Distribution Piping - Below Ground			
Welded Copper water tube		B 716-93	IAPMO IS 21-89
Asbestos-cement pressure pipe		C 296-93	
Copper alloy sand casting for general applications		B 584-93b ^s	

Item	ANSI	ASTM	Other
Seamless copper water tube (types K, L and M only)		B 88-93a	IAPMO IS 3-93
Threadless copper pipe		B 302-92	IAPMO IS 3-93
Seamless copper tube		B 75-93	IAPMO IS 3-93
Seamless copper alloy tube		B 135-91	IAPMO IS 3-93
Seamless and welded copper distribution tube (Type D)		B 641-93	IAPMO IS 3-93
Cast copper alloy threaded fittings, 125 and 250 class	ASME B16.15-85		
Cast copper alloy threadless fittings			MIL-F-1183 H(I)-83[D]
Cast copper alloy solder-joint pressure fittings	ASME B16.18-84 ¹		IAPMO IS 3-93
Cast copper alloy fittings for flared copper tubes	ASME B16.26-88		IAPMO IS 3-93
Wrought copper and copper alloy solder-joint pressure fittings	ASME B16.22-95		IAPMO IS 3-93
Copper alloy flanges and flanged fittings - 150-300 class	ASME B16.24-91		
Steel pipe (galvanized)	ASME B36.10M-85	A 53-93a A 120-84[D]	IAPMO IS 13-91
Malleable iron threaded fittings (galvanized)	ASME B16.3-92	A 197-87(R-92)	IAPMO IS 13-91
Ductile iron pipe centrifugally cast in metal or sand-lined molds	AWWA C151/ A21.51-91	A 377-89	
Ductile iron or gray iron fittings	AWWA C110/ A21.10-93	A 377-89	
Ductile iron compact fittings	AWWA C153/ A21.53-88		
Plastic, CPVC			
Chlorinated poly (vinyl chloride) (CPVC) plastic pipe, Sch. 40 and 80 (cold water only)	NSF 14-90	F 441-94	IAPMO IS 20-96
Socket-type chlorinated poly(vinyl chloride) (CPVC) plastic pipe fittings, Sch. 40	NSF 14-90	F 438-93	IAPMO IS 20-96
Chlorinated poly (vinyl chloride) (CPVC) plastic pipe (SDR-PR) (cold water only)	NSF 14-90	F 442-93	IAPMO IS 20-96
Threaded chlorinated poly (vinyl chloride) (CPVC) plastic pipe fittings, Sch. 80 (cold water only)	NSF 14-90	F 437-93	IAPMO IS 20-96
Socket-type chlorinated poly (vinyl chloride) (CPVC) plastic pipe fittings, Sch. 80	NSF 14-90	F 439-93a	IAPMO IS 20-96

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Item	ANSI	ASTM	Other
Bell-end chlorinated poly (vinyl chloride) (CPVC) pipe, Sch. 40 (cold water only)	NSF 14-90	F 443-77.[D]	IAPMO IS 20-96
Chlorinated poly (vinyl chloride) (CPVC) plastic pipe, tubing and fittings hot and cold water	NSF 14-90	D 2846-93	IAPMO IS 20-96
Plastic PEX			
Crosslinked polyethylene (PEX) tubing		F 876-93	
Crosslinked polyethylene (PEX) plastic hot- and cold-water distribution systems		F 877-93	
Valves and Appurtenances			
Angle, globe and check			MSS-SP-71-90 MSS-SP-80-87
Gate (bronze) steel flanged and butt welded	ASME B16.34-88		
Corrosion-resistant cast flanged valves			MSS-SP-42-90
Gate (cast iron bodies brass mounted)	AWWA C500-93		MSS-SP-70-90
Ball			MSS-SP-72-92
Butterfly	AWWA C504-88		MSS-SP-67-90
Cocks, balancing, stop and check MSS standard marking system for valves, fittings, flanges and unions			MSS-SP-25-93
Cast iron plug valves			MSS-SP-78-87
Pressure reducing and regulating	ASSE 1003-95		
Relief valves, pressure, temperature, temperature/pressure	Z21.22-a-90		
Thermostatic mixing valve	ASSE 1017-86		
Valves with atmospheric vacuum breakers			IAPMO PS 72-93
Pre-Pressurized potable water tanks			IAPMO PS 88-95
Unions			
Carbon steel pipe unions			MSS-SP-83-87
Malleable iron	ASME B16.39-86		
Copper alloy (bronze)			WW-U-516A-74(b) WW-P-521F-77
Flanges			
Cast iron	ASME B16.1-89		
Steel	ASME B16.5-88 ASME B16.47-90	MSS-SP-44-91	

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Item	ANSI	ASTM	Other
Copper alloy flanges and flanged fittings 150 lb. and 300 lb.	ASME B16.24-91		
Flared or compression connection non-ferrous pipe flanges	ASME B16.26-88		
Copper alloy (bronze)	ASME B16.24-91		
Flanged gaskets	ASME B16.21-92		
Backflow Preventers	AWWA C510-92		IAPMO PS 31-95
	AWWA C511-92		
Pipe applied atmospheric vacuum breakers	ASSE 1001-90		
Hose-connected vacuum breakers	ASSE 1011-95		
Hose connection backflow preventers	ASSE 1052-93		
Back siphonage vacuum breakers	ASSE 1056-95		
Reduced pressure principle backflow preventer			ASSE 1013-93
Double check valve assembly	ASSE 1020-90		ASSE 1015-93
Pressure type vacuum breaker	ASSE 1020-90		
Water hammer arrestors	ASME A112.26.1M-84		ASSE 1010-82 PDI WH-201-92
Air gaps	ASME A112.1.2-91		IAPMO PS-23-89 IAPMO PS 65-93
Airgap units for water conditioning equipment installation			
Trap primer valve (water distribution type)	ASSE 1018-86		
Freezeless automatic draining and backflow wall hydrant	A112.21.3M-85 ¹ ASSE 1019-95		
Dual check valve type backflow preventers for carbonated beverage dispensers-post mix types			ASSE 1032-80
Laboratory faucet vacuum breakers	ASSE 1035-95		
JOINING MATERIAL AND METHODS - WATER SUPPLY SYSTEMS			
Reinforced flexible water connectors			IAPMO PS 74-95
Tools for mechanically formed tee connections in copper tubing			IAPMO PS 85-95
Asbestos-cement pressure pipe		C 296-93	
Rubber rings for asbestos-cement pipe		D 1869-94	
Rubber gasket joint for ductile iron and gray cast iron pressure pipe fittings	AWWA C111/ A21.11-90		
Copper and nickel alloys (rods)			QQ-R-571C-69 [D]
Brazing filler metals	AWS A5.8-92		

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Item	ANSI	ASTM	Other
Grooved-type mechanical couplings and fittings		A 47-91 A 536-84(R-93)	IAPMO PS 53-92
Grooved mechanical pipe couplings and grooved end fittings			IAPMO PS 66-93
Dielectric waterway fittings		B 32-95a ⁴	IAPMO PS 36-90
Solder metal			
Lead-free sealing compounds for threaded joints		B 828-92 _{6,1}	
Making capillary joints by soldering of copper and copper alloy tube and fittings		B 813-93	
Liquid and paste fluxes for soldering applications of copper and copper alloy tube			MSS-SP-73-91
Silver brazing joints for wrought and cast solder joint fittings		B 29-92	
Caulking, lead wool and lead pig			
Plastic, ABS			
Solvent cement for Acrylonitrile Butadiene-Styrene (ABS) plastic pipe and fittings	NSF 14-90	D 2235-93a	
Joints for plastic pressure pipes using flexible elastomeric seals		D 3139-89	
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	
Plastic, CPVC			
Solvent cements for chlorinated poly (vinyl chloride) (CPVC) plastic pipe and fittings		F 493-93a	IAPMO IS 20-96 NSF No. 14
Joints for plastic pressure pipes using flexible elastomeric seals		D 3139-89	IAPMO IS 20-96 NSF No. 14
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	IAPMO IS 20-96
Chlorinated poly (vinyl chloride) (CPVC) plastic pipe, tubing and fittings	NSF 14-90	D 2846-93	IAPMO IS 20-96
Plastic, PB			
Metal insert fittings for polybutylene (PB) tubing		F 1380-94	
Plastic, PE			
Polyethylene (PE) piping	AWWA C901-88 NSF 14-90		IAPMO IS 7-90

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PERMANENT

Item	ANSI	ASTM	Other
Heat-joining poly-olefin pipe and fittings		D 2657-90	
Flaring polyolefin pipe and tubing		D 3140-90	IAPMO IS 7-90
Plastic insert fittings for polyethylene (PE) plastic pipe		D 2609-93 ¹	IAPMO IS 7-90
<u>Plastic, PEX</u>			
<u>Crosslinked Polyethylene (PEX) Tubing</u>		<u>ASTM F 876-93</u>	
<u>Crosslinked Polyethylene (PEX) Plastic hot and cold-water distribution systems</u>		<u>ASTM F 877-93</u>	
Plastic, PVC			
Solvent cement for poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	D 2564-93	IAPMO IS 8-95
Primers for use in solvent cement joints of poly (vinyl chloride) (PVC) plastic pipe and fittings	NSF 14-90	F 656-93	IAPMO IS 8-95
Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings		F 402-93	IAPMO IS 8-95
Joints for plastic pressure pipes using flexible elastomeric seals		D 3139-89	IAPMO IS 8-95
Making solvent-cemented joints with poly (vinyl chloride) (PVC) pipe and fittings		D 2855-93	IAPMO IS 8-95
Poly (vinyl chloride) (PVC) piping	AWWA C900-89 NSF 14-90		IAPMO IS 8-95
WRAPPING AND COATING			
Protectively coated pipe (Installation)			IAPMO IS 13-91
Black plastic poly (vinyl chloride) (PVC) or polyethylene (PE) pressure-sensitive corrosion preventive tape			IAPMO PS 37-90
Coal-tar protective coatings and linings for steel water pipelines - enameled and tape - hot applied	AWWA C203-91		
Extruded polyolefin coatings for the exterior of steel water pipelines	AWWA C215-88		

Footnotes for Table 14-1

- 1 Although this standard is referenced in Table 14-1, some of the pipe, tubing, fittings, valves, or fixtures included in the standard are not acceptable for use under the provisions of the Uniform Plumbing Code.
- 2 PDI Standard G101 by reference.
- 3 Additional Requirements for Inner and Outer Layers.
- 4 See Section 316.1.3 for restriction.
- 5 Alloy C85200 for cleanout plugs.
- 6 Limited to domestic sewage.
- 7 Type II only.

ABBREVIATIONS IN TABLE 14-1

AHAM	Association of Home Appliance Manufacturers, 20 North Wacker Drive, Chicago, IL 60606.
ANSI	American National Standards Institute, Inc., W. 42nd Street, New York, NY 10036.
ASME	The American Society of Mechanical Engineering, 345 East 47th Street, New York, NY 10017.
ASSE	American Society of Sanitary Engineering, P.O. Box 40362, Bay Village, OH 44140.
ASTM	American Society of Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.
AWS	American Welding Society, 550 NW LeJuene Road, Miami, FL 33126.
AWWA	American Water Works Association, 6666 W. Quincy Avenue, Denver, CO 80235.
CABO	Council of American Building Officials, 5203 Leesburg Pike, Suite 708, Falls Church, VA 22041.
CISPI	Cast Iron Soil Pipe Institute, 5959 Shallowford Road, Suite 419, Chattanooga, TN 37421.
(D) or [D]	Discontinued.
e1	An editorial change since the last revision or reapproval.
FS	Federal Specifications, Federal Supply Service, Standards Division, General Services Administration, 7th and D Streets, Washington, DC 20407.
IAPMO	International Association of Plumbing and Mechanical Officials, 20001 Walnut Drive S., Walnut, CA 91789-2825.
MSS	Manufacturers Standardization Society of the Valve and Fittings Industry, 127 Park Street, N.E., Vienna, VA 22180.
NEMA	National Electrical Manufacturers Association, 2101 L Street, N.W., Suite 300, Washington, DC 20037.
NFPA	National Fire Protection Association, P.O. Box 9101, 1 Batterymarch Park, Quincy, MA 02269-9101.
NSF	NSF International, 3475 Plymouth Road, P.O. Box 1468, Ann Arbor, MI 48106.
PDI	Plumbing and Drainage Institute, 1106 W. 77th Street, South Drive, Indianapolis, IN 46208.
SSPMA	Sump and Sewage Pump Manufacturers Association, P.O. Box 298, Winnetka, IL 60093-0298.
UL	Underwriters' Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062.

NEW SECTION**WAC 51-46-97120 Appendix M—Storm drainage.**NEW SECTION**WAC 51-46-97121 General.****M 1.0 General.**

M 1.1 Where Required. All roofs, paved areas, yards, courts, and courtyards shall be drained into a separate storm sewer system, or into a combined sewer system where a separate storm sewer system is not available, or to some other place of disposal satisfactory to the Administrative Authority. In the case of one- and two-family dwellings, storm water may be discharged on flat areas such as streets or lawns so long as the storm water shall flow away from the building and away from adjoining property, and shall not create a nuisance.

M 1.2 Storm Water Drainage to Sanitary Sewer Prohibited. Storm water shall not be drained into sewers intended for sanitary drainage only.

M 1.3 Material Uses. Rainwater piping placed within the interior of a building or run within a vent or shaft shall be of cast iron, galvanized steel, wrought iron, brass, copper, lead, Schedule 40 ABS DWV, Schedule 40 PVC DWV, or other approved materials, and changes in direction shall conform to the requirements of Section 706.0.

M 1.4 Expansion Joints Required. Expansion joints or sleeves shall be provided where warranted by temperature variations or physical conditions.

M 1.5 Subsoil Drains.

M 1.5.1 Subsoil drains shall be provided around the perimeter of buildings having basements, cellars, or crawl spaces or floors below grade. Such subsoil drains may be positioned inside or outside of the footing, shall be of perforated, or open-jointed approved drain tile or pipe not less than three (3) inches (76 mm) in diameter, and shall be laid in gravel, slag, crushed rock, approved three-quarter (3/4) inch (19.1 mm) crushed recycled glass aggregate, or other approved porous material with a minimum of four (4) inches (102 mm) surrounding the pipe on all sides. Filter media shall be provided for exterior subsoil piping.

M 1.5.2 Subsoil drains shall be piped to a storm drain, to an approved water course, to the front street curb or gutter, or to an alley; or the discharge from the subsoil drains shall be conveyed to the alley by a concrete gutter. Where a continuously flowing spring or groundwater is encountered, subsoil drains shall be piped to a storm drain or an approved water course.

M 1.5.3 Where it is not possible to convey the drainage by gravity, subsoil drains shall discharge to an accessible sump pit provided with an approved automatic electric pump. A sump pit shall be at least fifteen (15) inches (381 mm) in diameter, eighteen (18) inches (457 mm) in depth, and provided with a fitted cover. The sump pump shall have an adequate capacity to discharge all water coming into the sump as it accumulates to the required discharge point, and the capacity of the pump shall not be less than fifteen (15)

gpm (1.0 L/s). The discharge piping from the sump pump shall be a minimum of one and one-half (1-1/2) inches (38 mm) in diameter and have a union to make the pump accessible for servicing.

M 1.5.4 For separate dwellings not serving continuously flowing springs or groundwater, the sump discharge pipe may discharge onto a concrete splash block with a minimum length of twenty-four (24) inches (610 mm). This pipe shall be within four (4) inches (102 mm) of the splash block and positioned to direct the flow parallel to the recessed line of the splash block.

M 1.5.5 Subsoil drains subject to backflow when discharging into a storm drain shall be provided with a backwater valve in the drain line so located as to be accessible for inspection and maintenance.

M 1.5.6 Nothing in Section M 1.5 shall prevent drains that serve either subsoil drains or areaways of a detached building from discharging to a properly graded open area, provided that:

(1) They do not serve continuously flowing springs or groundwater;

(2) The point of discharge is at least ten (10) feet (3048 mm) from any property line; and

(3) It is impracticable to discharge such drains to a storm drain, to an approved water course, to the front street curb or gutter, or to an alley.

M 1.6 Building Subdrains. Building subdrains located below the public sewer level shall discharge into a sump or receiving tank, the contents of which shall be automatically lifted and discharged into the drainage system as required for building sumps.

M 1.7 Areaway Drains. All open subsurface space adjacent to a building, serving as an entrance to the basement or cellar of a building, shall be provided with a drain or drains. Such areaway drains shall be two (2) inches (51 mm) minimum diameter for areaways not exceeding one hundred (100) square feet (9.3 m²) in area, and shall be discharged in the manner provided for subsoil drains not serving continuously flowing springs or ground water (see Section M 1.5.2). Areaways in excess of one hundred (100) square feet (9.3 m²) shall not drain into subsoil. Areaway drains for areaways exceeding one hundred (100) square feet (9.3 m²) shall be sized according to Table M-2.

M 1.8 Window Areaway Drains. Window areaways not exceeding ten (10) square feet (0.9 m²) in area may discharge to the subsoil drains through a two (2) inch (51 mm) pipe. However, window areaways exceeding ten (10) square feet (0.9 m²) in area shall be handled in the manner provided for entrance areaways (see Section M 1.7).

M 1.9 Filling Stations and Motor Vehicle Washing Establishments. Public filling stations and motor vehicle washing establishments shall have the paved area sloped toward sumps or gratings within the property lines. Curbs not less than six (6) inches (152 mm) high shall be placed where required to direct water to gratings or sumps.

M 1.10 Paved Areas. Where the occupant creates surface water drainage, the sumps, gratings or floor drains shall be piped to a storm drain or an approved water course.

M 1.11 Roof Drainage.

M 1.11.1 Primary Roof Drainage. Roof areas of a building shall be drained by roof drains or gutters. The location and sizing of drains and gutters shall be coordinated with the structural design and pitch of the roof. Unless otherwise required by the Administrative Authority, roof drains, gutters, vertical conductors or leaders, and horizontal storm drains for primary drainage shall be sized based on a storm of sixty (60) minutes duration and 100-year return period (see Appendix D).

M 1.11.2 Secondary Roof Drainage.

M 1.11.2.1 Where parapet walls or other construction extend above the roof and create areas where storm water would become trapped if the primary roof drainage system failed to provide sufficient drainage, an independent secondary roof drainage system consisting of scuppers, standpipes, or roof drains shall be provided. Secondary roof drainage systems shall be sized in accordance with Section M 1.11.1 of this Code. Overflow drains shall be the same size as the roof drains with the inlet flow line two (2) inches (51 mm) above the low point of the roof and shall be installed independent from the roof drains.

M 1.11.2.2 Where secondary roof drainage is provided by means of roof drains or standpipes, the secondary system shall be separate from the primary system and shall discharge independently at grade or other approved point of discharge.

M 1.11.2.3 Where secondary roof drainage is provided, the overflow level(s) into the secondary system shall be determined by the structural design of the roof, including roof deflection, at a level not less than two (2) inches (51 mm) above the level of the primary drain. An allowance shall be made to account for the required overflow head of water above the secondary inlets. The elevation of the secondary inlet plus the required overflow head shall not exceed the maximum allowable water level on the roof.

M 1.11.2.4 Scuppers shall be sized as rectangular weirs, using hydraulic principles to determine the required length and resulting overflow head (see Appendix D). Secondary roof drains and standpipes shall be sized according to Table M-1. Where standpipes are used, the head allowance required under Section M 1.11.2.3 shall be not less than one and one-half (1-1/2) inches (38 mm).

M 1.11.3 Equivalent Systems. When approved by the Administrative Authority, the requirements of Sections M 1.11.1 and M 1.11.2 shall not preclude the installation of an engineered roof drainage system that has sufficient capacity to prevent water from ponding on the roof in excess of that allowed in the roof structural design with a rainfall rate of at least twice that for a 100-year, 60-minute storm and with a blockage in any single point in the storm drainage system.

M 1.12 Cleanouts.

M 1.12.1 Cleanouts for building storm drains shall comply with the requirements of this Section. Rain leaders and conductors connected to a building storm sewer shall have a cleanout installed at the base of the outside leader or outside conductor before it connects to the horizontal drain.

Cleanouts shall be placed inside the building near the connection between the building drain and the building sewer or installed outside the building at the lower end of the building drain and extended to grade.

M 1.12.2 Each cleanout shall be installed so that it opens to allow cleaning in the direction of flow of the soil or waste or at right angles thereto, and except in the case of wye branch and end-of-line cleanouts, shall be installed vertically above the flow line of the pipe.

M 1.12.3 Cleanouts installed under concrete or asphalt paving shall be made accessible by yard boxes, or extending flush with paving with approved materials and be adequately protected.

M 1.12.4 Approved manholes may be installed in lieu of cleanouts when first approved by the Administrative Authority. The maximum distance between manholes shall not exceed three hundred (300) feet (91.4 m).

The inlet and outlet connections shall be made by the use of a flexible compression joint no closer than twelve (12) inches (305 mm) to, and not farther than three (3) feet (914 mm) from the manhole. No flexible compression joints shall be embedded in the manhole base.

M 1.13 All rainwater sumps serving "public use" occupancy buildings shall be provided with dual pumps arranged to function alternately in case of overload of mechanical failure.

NEW SECTION**WAC 51-46-97122 Materials.****M 2.0 Materials.****M 2.1 Conductors.**

M 2.1.1 Conductors installed aboveground in buildings shall be constructed of materials specified in Table 14-1.

M 2.1.2 The inside of conductors installed above ground level shall be of seamless copper water tube, Type K, L or M; Schedule 40 copper pipe or Schedule 40 copper alloy pipe; Type DWV copper drainage tube; service weight cast iron soil pipe or hubless cast iron soil pipe; standard weight galvanized steel pipe; or Schedule 40 ABS or Schedule 40 PVC plastic pipe.

M 2.2 Leaders.

M 2.2.1 Leaders shall be constructed of materials specified in Table 14-1.

M 2.2.2 Leaders shall be of seamless copper water tube, Type K, L or M; Schedule 40 copper pipe; Schedule 40 copper alloy pipe; type DWV copper drainage tube; service weight cast iron soil pipe or hubless cast iron soil pipe; galvanized steel sheet metal or copper sheet metal; standard weight galvanized steel pipe; Class DL or XL lead pipe; or Schedule 40 ABS or Schedule 40 PVC plastic pipe.

M 2.3 Underground Building Storm Drains. All underground building storm drains shall be constructed of materials specified in Table 14-1.

M 2.4 Building Storm Sewers. Building storm sewers shall be constructed of materials specified in Table 14-1.

M 2.5 Subsoil Drains.

M 2.5.1 Subsoil drains shall be constructed of materials specified in Table 14-1.

M 2.5.2 Subsoil drains shall be open-jointed or of perforated pipe, vitrified clay, plastic, cast iron, or porous concrete.

NEW SECTION

WAC 51-46-97123 Traps on storm drains and leaders.

M 3.0 Traps on Storm Drains and Leaders.

M 3.1 Where Required. Leaders and storm drains, when connected to a combined sewer, shall be trapped. Floor and area drains connected to a storm drain shall be trapped.

EXCEPTION: Traps shall not be required where roof drains, rain leaders and other inlets are at locations allowed under Section 906.0, Vent Terminals.

M 3.2 Where Not Required. No trap shall be required for a leader(s) or conductor(s) which is connected to a sewer carrying storm water exclusively.

M 3.3 Trap Size. Traps, when installed for individual conductors, shall be the same size as the horizontal drain to which they are connected.

M 3.4 Method of Installation of Combined Sewer. Individual storm-water traps shall be installed on the storm-water drain branch serving each storm-water inlet, or a single trap shall be installed in the main storm drain just before its connection with the combined building sewer. Such traps shall be provided with an accessible cleanout on the outlet side of the trap.

NEW SECTION

WAC 51-46-97124 Leaders, conductors, and connections.

M 4.0 Leaders, Conductors, and Connections.

M 4.1 Improper Use. Leaders or conductors shall not be used as soil, waste, or vent pipes, nor shall soil, waste, or vent pipes be used as leaders or conductors.

M 4.2 Protection of Leaders. Leaders installed along alleyways, driveways, or other locations where they may be exposed to damage shall be protected by metal guards, recessed into the wall, or constructed from ferrous pipe.

M 4.3 Combining Storm with Sanitary Drainage. The sanitary and storm drainage system of a building shall be entirely separate, except where a combined sewer is used, in which case the building storm drain shall be connected in the same horizontal plane through single wye fittings to the combined building sewer at least ten (10) feet (3048 mm) downstream from any soil stack.

NEW SECTION

WAC 51-46-97125 Roof drains.

M 5.0 Roof Drains.**M 5.1 Material.**

M 5.1.1 Roof drains shall be constructed of materials specified in Table 14-1.

M 5.1.2 Roof drains shall be of cast iron, copper or copper alloy, lead or plastic.

M 5.2 Dome or Strainer for General Use. All roof drains and overflow drains, except those draining to hanging gutters, shall be equipped with strainers extending not less than four (4) inches (102 mm) above the surface of the roof immediately adjacent to the drain. Strainers shall have a minimum inlet area above the roof level of not less than one and one-half (1-1/2) times the area of the conductor or leader to which the drain is connected.

M 5.3 Strainers for Flat Decks. Roof drain strainers for use on sun decks, parking decks, and similar areas which are normally serviced and maintained may be of the flat surface-type. Such roof drain strainers shall be level with the deck and shall have an available inlet area of no less than two (2) times the area of the conductor or leader to which the drain is connected.

M 5.4 Roof Drain Flashings. Connection between the roof and roof drains which pass through the roof and into the interior of the building shall be made watertight by the use of proper flashing material.

M 5.4.1 Where lead flashing material is used, it shall be a minimum of four (4) pounds per square foot (19.5 kg/m²).

M 5.4.2 Where copper flashing material is used, it shall be a minimum of twelve (12) ounces per square foot (3.7 kg/m²).

NEW SECTION

WAC 51-46-97126 Size of leaders, conductors, and storm drains.

M 6.0 Size of Leaders, Conductors, and Storm Drains.

M 6.1 Vertical Conductors and Leaders. Vertical conductors and leaders shall be sized on the basis of the maximum projected roof area and Table M-1.

M 6.2 Size of Horizontal Storm Drains and Sewers. The size of building storm drains or building storm sewers or any of their horizontal branches shall be based upon the maximum projected roof or paved area to be handled and Table M-2.

M 6.3 Size of Roof Gutters. The size of semicircular gutters shall be based on the maximum projected roof area and Table M-3.

M 6.4 Side Walls Draining onto a Roof. Where vertical walls project above a roof so as to permit storm water to drain to the roof area below the adjacent roof area may be computed from Table M-1 as follows:

(1) For one (1) wall – add fifty (50) percent of the wall area to the roof area figures.

(2) For two (2) adjacent walls – add thirty-five (35) percent of the total wall areas.

(3) Two (2) walls opposite of same height – add no additional area.

(4) Two (2) walls opposite of differing heights – add fifty (50) percent of wall area above top of lower wall.

(5) Walls on three (3) sides – add fifty (50) percent of area of the inner wall below the top of the lowest wall, plus allowance for the area of wall above top of lowest wall, per (2) and (4) above.

(6) Walls on four (4) sides – no allowance for wall areas below top of lowest wall – add for areas above the top of the lowest wall per (1), (2), (4) and (5) above.

NEW SECTION

WAC 51-46-97127 Values for continuous flow.

M 7.0 Values for Continuous Flow.

Where there is a continuous or semi-continuous discharge into the building storm drain or building storm sewer, as from a pump, ejector, air-conditioning plant, or similar device, one (1) gpm (3.8 L/min.) of such discharge shall be computed as being equivalent to twenty-four (24) square feet (2.2 m²) of roof area, based upon a rate of rainfall of four (4) inches (102 mm) per hour.

NEW SECTION

WAC 51-46-97128 Testing.

M 8.0 Testing.

M 8.1 Testing Required. New building storm drainage systems and parts of existing systems that have been altered, extended or repaired shall be tested as described in Section M 8.2.1 to disclose leaks and defects.

M 8.2 Methods of Testing Storm Drainage Systems. Except for outside leaders and perforated or open jointed drain tile, the piping of storm drain systems shall be tested upon completion of the rough piping installation by water or air, and proved tight. The Administrative Authority may require the removal of any cleanout plugs to ascertain if the pressure has reached all parts of the system. Either of the following test methods shall be used:

M 8.2.1 Water Test. After piping has been installed, the water test shall be applied to the drainage system, either in its entirety or in sections. If applied to the entire system, all openings in the piping shall be tightly closed except for the highest opening, and the system shall be filled with water to the point of overflow. If the system is tested in sections, each opening shall be tightly plugged except for the highest opening of the section under test, and each section shall be filled with water, but no section shall be tested with less than a ten (10) foot (3048 mm) head of water. In testing successive sections, at least the upper ten (10) foot (3048 mm) of the next preceding section shall be tested so that no joint of pipe in the building (except the uppermost ten (10) foot (3048 mm) of a roof drainage system, which shall be filled with water to the flood level of the uppermost roof drain) shall have been submitted to a test of less than a ten (10) foot (3048 mm) head of water. The water shall be kept in the system or in the portion under test for at least fifteen (15) minutes before inspection starts; the system shall then be tight at all points.

M 8.2.2 Air Test. The air test shall be made by attaching an air compressor testing apparatus to any suitable opening after closing all other inlets and outlets to the system, forcing air into the system until there is a uniform gage pressure of five (5) psi (34.5 kPa) or sufficient to balance a column of mercury ten (10) inches (254 mm) in height. This pressure shall be held without introduction of additional air for a period of at least fifteen (15) minutes.

M 8.2.3 Exceptions. When circumstances exist that make air and water tests, described in Sections M 8.2.1 and M 8.2.2 above, impractical, and for minor maintenance, repairs and installations, the Administrative Authority may perform the inspection as considered advisable by said authority to assure that the work has been in accordance with provisions of this Code.

NEW SECTION

WAC 51-46-97129 Tables M-1 through M-3.

Table M-1 - Sizing roof drains, leaders and vertical rainwater piping.

TABLE M-1
Sizing Roof Drains, Leaders, and Vertical Rainwater Piping

Size of Drain, Leader or Pipe, Inches	Flow, gpm	Maximum Allowable Horizontal Projected Roof Areas Square Feet at Various Rainfall Rates					
		1"/hr	2"/hr	3"/hr	4"/hr	5"/hr	6"/hr
2	23	2176	1088	725	544	435	363
3	67	6440	3220	2147	1610	1288	1073
4	144	13,840	6920	4613	3460	2768	2307
5	261	25,120	12,560	8373	6280	5024	4187
6	424	40,800	20,400	13,600	10,200	8160	6800
8	913	88,000	44,000	29,333	22,000	17,600	14,667

Table M-1 (Metric) - Sizing roof drains, leaders and vertical rainwater piping.

TABLE M-1 (Metric)
Sizing Roof Drains, Leaders, and Vertical Rainwater Piping

Size of Drain Leader or Pipe, mm	Flow, L/s	Maximum Allowable Horizontal Projected Roof Areas Square Meters at Various Rainfall Rates					
		25mm/hr	50mm/hr	75mm/hr	100mm/hr	125mm/hr	150mm/hr
50	1.5	202	101	67	51	40	34
75	4.2	600	300	200	150	120	100
100	9.1	1286	643	429	321	257	214
125	16.5	2334	1117	778	583	467	389
150	26.8	3790	1895	1263	948	758	632
200	57.6	8175	4088	2725	2044	1635	1363

Notes

1. The sizing data for vertical conductors, leaders, and drains is based on the pipes flowing 7/24 full.
2. For rainfall rates other than those listed, determine the allowable roof area by dividing the area given in the 1 inch/hour (25 mm/hour) column by the desired rainfall rate.
3. Vertical piping may be round, square, or rectangular. Square pipe shall be sized to enclose its equivalent round pipe. Rectangular pipe shall have at least the same cross-sectional area as its equivalent round pipe, except that the ratio of its side dimensions shall not exceed 3 to 1.

PERMANENT

Table M-2 Sizing of horizontal rainwater piping.

TABLE M-2
Sizing of Horizontal Rainwater Piping

Size of Pipe, Inches	Flow at 1/8"/ft. Slope, gpm	Maximum Allowable Horizontal Projected Roof Areas Square Feet at Various Rainfall Rates					
		1"/hr	2"/hr	3"/hr	4"/hr	5"/hr	6"/hr
3	34	3288	1644	1096	822	657	548
4	78	7520	3760	2506	1880	1504	1253
5	139	13,360	6680	4453	3340	2672	2227
6	222	21,400	10,700	7133	5350	4280	3566
8	478	46,000	23,000	15,330	11,500	9200	7670
10	860	82,800	41,400	27,600	20,700	16,580	13,800
12	1384	133,200	66,600	44,400	33,300	26,650	22,200
15	2473	238,000	119,000	79,333	59,500	47,600	39,650

Size of Pipe, Inches	Flow at 1/4"/ft. Slope, gpm	Maximum Allowable Horizontal Projected Roof Areas Square Feet at Various Rainfall Rates					
		1"/hr	2"/hr	3"/hr	4"/hr	5"/hr	6"/hr
3	48	4640	2320	1546	1160	928	773
4	110	10,600	5300	3533	2650	2120	1766
5	196	18,880	9440	6293	4720	3776	3146
6	314	30,200	15,100	10,066	7550	6040	5033
8	677	65,200	32,600	21,733	16,300	13,040	10,866
10	1214	116,800	58,400	38,950	29,200	23,350	19,450
12	1953	188,000	94,000	62,600	47,000	37,600	31,350
15	3491	336,000	168,000	112,000	84,000	67,250	56,000

Size of Pipe, Inches	Flow at 1/2"/ft. Slope, gpm	Maximum Allowable Horizontal Projected Roof Areas Square Feet at Various Rainfall Rates					
		1"/hr	2"/hr	3"/hr	4"/hr	5"/hr	6"/hr
3	68	6576	3288	2192	1644	1310	1096
4	156	15,040	7520	5010	3760	3010	2500
5	278	26,720	13,360	8900	6680	5320	4450
6	445	42,800	21,400	14,267	10,700	8580	7140
8	956	92,000	46,000	30,650	23,000	18,400	15,320
10	1721	165,600	82,800	55,200	41,400	33,150	27,600
12	2768	266,400	133,200	88,800	66,600	53,200	44,400
15	4946	476,000	238,000	158,700	119,000	95,200	79,300

Notes

1. The sizing data for horizontal piping is based on the pipes flowing full.
2. For rainfall rates other than those listed, determine the allowable roof area by dividing the area given in the 1 inch/hour (25 mm/hour) column by the desired rainfall rate.

PERMANENT

Table M-2 (Metric) Sizing of horizontal rainwater piping.

TABLE M-2 (Metric)
Sizing of Horizontal Rainwater Piping

Size of Pipe, mm	Flow at 10 mm/m Slope, L/s	Maximum Allowable Horizontal Projected Roof Areas Square Meters at Various Rainfall Rates					
		25mm/hr	50mm/hr	75mm/hr	100mm/hr	125mm/hr	150mm/hr
75	2.1	305	153	102	76	61	51
100	4.9	700	350	233	175	140	116
125	8.8	1241	621	414	310	248	207
150	14.0	1988	994	663	497	398	331
200	30.2	4273	2137	1424	1068	855	713
250	54.3	7692	3846	2564	1923	1540	1282
300	87.3	12,375	6187	4125	3094	2476	2062
375	156.0	22,110	11,055	7370	5528	4422	3683

Size of Pipe, mm	Flow at 20 mm/m Slope, L/s	Maximum Allowable Horizontal Projected Roof Areas Square Meters at Various Rainfall Rates					
		25mm/hr	50mm/hr	75mm/hr	100mm/hr	125mm/hr	150mm/hr
75	3.0	431	216	144	108	86	72
100	6.9	985	492	328	246	197	164
125	12.4	1754	877	585	438	351	292
150	19.8	2806	1403	935	701	561	468
200	42.7	6057	3029	2019	1514	1211	1009
250	76.6	10,851	5425	3618	2713	2169	1807
300	123.2	17,465	8733	5816	4366	3493	2912
375	220.2	31,214	15,607	10,405	7804	6248	5202

Size of Pipe, mm	Flow at 40 mm/m Slope, L/s	Maximum Allowable Horizontal Projected Roof Areas Square Meters at Various Rainfall Rates					
		25mm/hr	50mm/hr	75mm/hr	100mm/hr	125mm/hr	150mm/hr
75	4.3	611	305	204	153	122	102
100	9.8	1400	700	465	350	280	232
125	17.5	2482	1241	827	621	494	413
150	28.1	3976	1988	1325	994	797	663
200	60.3	8547	4273	2847	2137	1709	1423
250	108.6	15,390	7695	5128	3846	3080	2564
300	174.6	24,749	12,374	8250	6187	4942	4125
375	312.0	44,220	22,110	14,753	11,055	8853	7367

Notes

1. The sizing data for horizontal piping is based on the pipes flowing full.
2. For rainfall rates other than those listed, determine the allowable roof area by dividing the area given in the 1 inch/hour (25 mm/hour) column by the desired rainfall rate.

PERMANENT

Table M-3 Size of gutters.

TABLE M-3
Size of Gutters

Diameter of Gutter in Inches	Maximum Rainfall in Inches per Hour				
	1/16"/ft. Slope	2	3	4	5	6
3	340	226	170	136	113
4	720	480	360	288	240
5	1250	834	625	500	416
6	1920	1280	960	768	640
7	2760	1840	1380	1100	918
8	3980	2655	1990	1590	1325
10	7200	4800	3600	2880	2400

Diameter of Gutter in Inches	Maximum Rainfall in Inches per Hour				
	1/8"/ft. Slope	2	3	4	5	6
3	480	320	240	192	160
4	1020	681	510	408	340
5	1760	1172	880	704	587
6	2720	1815	1360	1085	905
7	3900	2600	1950	1560	1300
8	5600	3740	2800	2240	1870
10	10,200	6800	5100	4080	3400

Diameter of Gutter in Inches	Maximum Rainfall in Inches per Hour				
	1/4"/ft. Slope	2	3	4	5	6
3	680	454	340	272	226
4	1440	960	720	576	480
5	2500	1668	1250	1000	834
6	3840	2560	1920	1536	1280
7	5520	3680	2760	2205	1840
8	7960	5310	3980	3180	2655
10	14,400	9600	7200	5750	4800

Diameter of Gutter in Inches	Maximum Rainfall in Inches per Hour				
	1/2"/ft. Slope	2	3	4	5	6
3	960	640	480	384	320
4	2040	1360	1020	816	680
5	3540	2360	1770	1415	1180
6	5540	3695	2770	2220	1850
7	7800	5200	3900	3120	2600
8	11,200	7460	5600	4480	3730
10	20,000	13,330	10,000	8000	6660

PERMANENT

Table M-3 (Metric) Size of gutters.

TABLE M-3 (Metric)
Size of Gutters

Diameter of Gutter in mm	Maximum Rainfall in Millimeters per Hour				
	50.8	76.2	101.6	127.0	152.4
5.2 mm/m Slope	50.8	76.2	101.6	127.0	152.4
76.2	31.6	21.0	15.8	12.6	10.5
101.6	66.9	44.6	33.4	26.8	22.3
127.0	116.1	77.5	58.1	46.5	38.7
152.4	178.4	119.1	89.2	71.4	59.5
177.8	256.4	170.9	128.2	102.2	85.3
203.2	369.7	246.7	184.9	147.7	123.1
254.0	668.9	445.9	334.4	267.6	223.0

Diameter of Gutter in mm	Maximum Rainfall in Millimeters per Hour				
	50.8	76.2	101.6	127.0	152.4
10.4 mm/m Slope	50.8	76.2	101.6	127.0	152.4
76.2	44.6	29.7	22.3	17.8	14.9
101.6	94.8	63.3	47.4	37.9	31.6
127.0	163.5	108.9	81.8	65.4	54.5
152.4	252.7	168.6	126.3	100.8	84.1
177.8	362.3	241.5	181.2	144.9	120.8
203.2	520.2	347.5	260.1	208.1	173.7
254.0	947.6	631.7	473.8	379	315.9

Diameter of Gutter in mm	Maximum Rainfall in Millimeters per Hour				
	50.8	76.2	101.6	127.0	152.4
20.9 mm/m Slope	50.8	76.2	101.6	127.0	152.4
76.2	63.2	42.2	31.6	25.3	21.0
101.6	133.8	89.2	66.9	53.5	44.6
127.0	232.3	155.0	116.1	92.9	77.5
152.4	356.7	237.8	178.4	142.7	118.9
177.8	512.8	341.9	256.4	204.9	170.9
203.2	739.5	493.3	369.7	295.4	246.7
254.0	133.8	891.8	668.9	534.2	445.9

Diameter of Gutter in mm	Maximum Rainfall in Millimeters per Hour				
	50.8	76.2	101.6	127.0	152.4
41.7 mm/m Slope	50.8	76.2	101.6	127.0	152.4
76.2	89.2	59.5	44.6	35.7	29.7
101.6	189.5	126.3	94.8	75.8	63.2
127.0	328.9	219.2	164.4	131.5	109.6
152.4	514.7	343.3	257.3	206.2	171.9
177.8	724.6	483.1	362.3	289.9	241.4
203.2	1040.5	693.0	520.2	416.2	346.5
254.0	1858.0	1238.4	929.0	743.2	618.7

PERMANENT

**Chapter 51-47 WAC
STATE BUILDING CODE ADOPTION OF APPEN-
DIX I OF THE 1997 EDITION OF THE UNIFORM
PLUMBING CODE**

NEW SECTION

WAC 51-47-001 Authority. These rules are adopted under the authority of chapter 19.27 RCW.

NEW SECTION

WAC 51-47-002 Purpose. The purpose of these rules is to implement the provisions of chapter 19.27 RCW, which provides that the State Building Code council shall maintain the State Building Code in a status which is consistent with the purpose as set forth in RCW 19.27.020. In maintaining the codes, the council shall regularly review updated versions of the codes adopted under the act, and other pertinent information, and shall amend the codes as deemed appropriate by the council.

NEW SECTION

WAC 51-47-003 Uniform plumbing code standards. The 1997 edition of the Uniform Plumbing Code Standards (Appendix I), published by the International Association of Plumbing and Mechanical Officials is hereby adopted by reference.

NEW SECTION

WAC 51-47-007 Exceptions. The exceptions and amendments to the Uniform Codes contained in the provisions of chapter 19.27 RCW shall apply in cases of conflict with any of the provisions of these rules.

NEW SECTION

WAC 51-47-008 Implementation. The Uniform Plumbing Code Standards adopted by chapter 19.27 RCW shall become effective in all counties and cities of this state on July 1, 1998, unless local government residential amendments have been approved by the State Building Code council.

**WSR 98-02-056
PERMANENT RULES
BUILDING CODE COUNCIL**

[Filed January 6, 1998, 12:01 p.m., effective July 1, 1998]

Date of Adoption: November 14, 1997.

Purpose: To adopt chapter 51-42 WAC, Washington state adoption and amendment of the 1997 Uniform Mechanical Code; and to repeal chapter 51-32 WAC, state adoption and amendment of the 1994 Uniform Mechanical Code.

Citation of Existing Rules Affected by this Order:
Repealing chapter 51-32 WAC.

Statutory Authority for Adoption: RCW 19.27.031, 19.27.074.

Adopted under notice filed as WSR 97-116-115 [97-16-115] on August 6, 1997.

Changes Other than Editing from Proposed to Adopted Version: WAC 51-42-1106.7 Egress, Exception 2 was added to maintain current regulation and resulted from testimony at the public hearing.

WAC 51-42-1312.18 Marking and labeling, change the term "natural" to "fuel" throughout the section. Language was clarified to change the location and marking of labels to apply for all fuel gases. This change was made based on public testimony.

WAC 51-42-1401 Oil-burning appliances, language was added to reference the fire code. This change was made based on public testimony.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 1, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 19, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 28.

Number of Sections Adopted using Negotiated Rule Making: New 31, amended 0, repealed 28; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: July 1, 1998.

January 5, 1998
Mike McEnaney
Council Chair

**Chapter 51-42 WAC
STATE BUILDING CODE ADOPTION AND
AMENDMENT
OF THE 1997 EDITION OF THE UNIFORM
MECHANICAL CODE**

NEW SECTION

WAC 51-42-001 Authority. These rules are adopted under the authority of chapter 19.27 RCW.

NEW SECTION

WAC 51-42-002 Purpose. The purpose of these rules is to implement the provisions of chapter 19.27 RCW, which provides that the State Building Code council shall maintain the State Building Code in a status which is consistent with the purpose as set forth in RCW 19.27.020. In maintaining the codes the council shall regularly review updated versions of the codes adopted under the act, and other pertinent information, and shall amend the codes as deemed appropriate by the council.

NEW SECTION

WAC 51-42-003 Uniform Mechanical Code. The 1997 edition of the Uniform Mechanical Code published by the International Conference of Building Officials is hereby adopted by reference with the exceptions noted in this chapter of the Washington Administrative Code.

PERMANENT

NEW SECTION

WAC 51-42-004 Conflict between uniform mechanical code and state energy code chapter 51-11 WAC. In the case of conflict between the duct sealing or insulation requirements of Section 601 or Section 604 of this code and the duct sealing or insulation requirements of chapter 51-11 WAC, the Washington State Energy Code, or where applicable, a local jurisdiction's energy code, the provisions of such energy codes shall govern.

NEW SECTION

WAC 51-42-005 Conflict between uniform mechanical code and state ventilation and indoor air quality code chapter 51-13 WAC. In the case of conflict between the Group R ventilation requirements of this code and the Group R ventilation requirements of chapter 51-13 WAC, the Washington State Ventilation and Indoor Air Quality Code, the provisions of the Ventilation and Indoor Air Quality Code shall govern.

NEW SECTION

WAC 51-42-007 Exceptions. The exceptions and amendments to the Uniform Mechanical Code contained in the provisions of chapter 19.27 RCW shall apply in case of conflict with any of the provisions of these rules.

The provisions of this code do not apply to temporary growing structures used solely for the commercial production of horticultural plants including ornamental plants, flowers, vegetables, and fruits. "Temporary growing structure" means a structure that has the sides and roof covered with polyethylene, polyvinyl, or similar flexible synthetic material and is used to provide plants with either frost protection or increased heat retention. A temporary growing structure is not considered a building for purposes of this code.

NEW SECTION

WAC 51-42-008 Implementation. The Uniform Mechanical Code adopted by chapter 51-42 WAC shall become effective in all counties and cities of this state on July 1, 1998.

NEW SECTION

WAC 51-42-0200 Chapter 2—Definitions.

NEW SECTION

WAC 51-42-0223 Section 223—U. UNUSUALLY TIGHT CONSTRUCTION is construction where:

1. Walls and ceilings exposed to the outside atmosphere have a continuous water vapor retarder with a rating of one perm or less with any openings gasketed or sealed, and
2. Weatherstripping on openable windows and doors, and
3. Caulking or sealants are applied to areas such as joints around window and door frames, between sole plates and floors, between wall-ceiling joints, between wall panels and at penetrations for plumbing, electrical, and gas lines and at other openings, or

4. Buildings built in compliance with the 1986 or later editions of the Washington State Energy Code WAC 51-11, Northwest Energy Code, or Super Good Cents weatherization standards or equivalent.

NEW SECTION

WAC 51-42-0303 Section 303—Installation.

303.1.1 Prohibited installations. No unvented or direct fired fuel-burning equipment shall be installed or used to provide comfort heating within any occupancy group other than Group F, S or U.

- EXCEPTIONS:
1. Direct gas-fired makeup air heaters may be installed in accordance with Section 909.
 2. Approved, unvented portable oil-fueled heaters may be used as a supplemental heat source in any Group B, F-2, M, R, or U Occupancy provided that such heaters shall not be located in any sleeping room or bathroom, and shall comply with RCW 19.27A.080, 19.27A.090, 19.27A.100, 19.27A.110, and 19.27A.120.

NEW SECTION

WAC 51-42-0504 Environmental air ducts.

504.3.1 Moisture exhaust ducts. Moisture exhaust ducts for domestic clothes dryers shall terminate on the outside of the building and shall be equipped with a back-draft damper. Screens shall not be installed at the duct termination. Ducts for exhausting clothes dryers shall not be connected or installed with sheet metal screws or other fasteners which will obstruct the flow. Clothes dryer moisture exhaust ducts shall not be connected to a gas vent connector, gas vent or chimney. Clothes dryer moisture exhaust ducts shall not extend into or through ducts or plenums. Clothes dryer exhaust ducts shall be protected by a steel plate or clip not less than 1/16 inch (1.59 mm) in thickness and of sufficient width to fully protect the duct. Plates or clips shall be placed on the finish face of all framing members which the clothes dryer exhaust duct passes through when there is less than one-and-one-quarter inch (1¼") (32 mm) of framing material between the duct and the finish face. Plates or clips shall also be placed where nails or screws from finish or other work are likely to penetrate the clothes dryer exhaust duct.

NEW SECTION

WAC 51-42-0600 Chapter 6—Duct systems.

NEW SECTION

WAC 51-42-0601 Scope.

601.1 Material. Supply air, return air, and outside air for heating, cooling, or evaporative cooling systems shall be conducted through duct systems constructed of metal as set forth in Tables 6-A, 6-B and 6-C; metal ducts complying with the U.M.C. Standard 6-1 with prior approval; or factory-made air ducts complying with UL 181. Ducts, plenums, and fittings may be constructed of concrete, clay, ceramics, or other approved nonmetallic materials when installed in the ground or in a concrete slab, provided the joints are tightly sealed.

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601.1.1 Use of corridor as plenum. Corridors shall not be used to convey air to or from rooms if the corridor is required to be of fire-resistive construction by Section 1005 of the Building Code.

- EXCEPTIONS:**
1. Where such air is part of an engineered smoke control system.
 2. Corridors conforming to Section 1007.5 of the Uniform Building Code in Group I occupancies.
 3. Corridors serving residential occupancies may be supplied without specific mechanical exhaust subject to the following:
 - 3.1 The supply air is 100% outside air, and
 - 3.2 The units served by the corridor have conforming ventilation independent of the air supplied to the corridor, and
 - 3.3 For other than high-rise buildings, the supply fan will automatically shut off upon activation of corridor smoke detectors which shall be spaced at no more than 30 feet (9144 mm) on center along the corridor, or
 - 3.4 For high-rise buildings, corridor smoke detector activation will close required smoke/fire dampers at the supply inlet to the corridor at the floor receiving the alarm.

601.3 Contamination Prevention. Exhaust ducts under positive pressure and venting systems shall not extend into or pass through ducts or plenums. For appliance vents and chimneys, see Chapter 8.

- EXCEPTION:** Exhaust ducts conveying environmental air may pass through a duct or plenum provided that:
1. The duct is maintained under sufficient negative pressure to prevent leakage of the exhaust air to the surrounding duct or plenum; or
 2. If maintained under a positive pressure with respect to the surrounding duct or plenum, the exhaust duct will be sealed to prevent leakage; or
 3. The surrounding air stream is an exhaust air stream not intended for recirculation to the building and cross contamination of the two air streams will not create a hazardous condition.

NEW SECTION

WAC 51-42-0605 Dampers in duct systems.

605.2 Fire Dampers. Fire dampers complying with recognized standards in Chapter 16, Part III, shall be installed in accordance with approved manufacturer's instructions when required by Chapter 7 of the Building Code. Fire dampers shall have been tested for closure under airflow conditions and shall be labeled for both maximum airflow permitted and direction of flow. When more than one damper is installed at a point in a single air path, the entire airflow shall be assumed to be passing through the smallest damper area. Fire dampers shall be labeled by an approved agency. Only fire dampers labeled for use in dynamic systems shall be installed in heating, ventilation and air-conditioning systems which are intended to operate with fans "on" during a fire; see U.B.C. Section 713.12.

- EXCEPTION:** Fire dampers need not be installed in air ducts passing through the wall, floor, or ceiling separating a Group R, Division 3 Occupancy from a Group U Occupancy, provided such ducts within the Group U Occupancy are constructed of steel having a thickness not less than 0.019 inch (0.48 mm) (No. 26 galvanized sheet gage) and have no openings into the Group U Occupancy.

Ductwork shall be connected to damper sleeves or assemblies in such a way that collapse of the ductwork will not dislodge the damper or impair its proper operation.

NEW SECTION

WAC 51-42-0901 Vented decorative appliances, decorative gas appliances for installation in solid-fuel-burning fireplaces, gas-fired log lighters, unvented decorative gas logs and decorative fireplaces.

901.4 Unvented decorative gas logs and decorative fireplaces. Approved, unvented decorative gas logs and decorative fireplaces may be installed, used, maintained, and permitted to exist in any Group I or R Occupancy, except bathrooms and bedrooms. An unvented decorative gas log is a listed natural or liquefied petroleum gas burning log with an open flame consisting of a metal frame or base supporting simulated logs which is designed so that its primary function lies in the aesthetic effect of the logs and flame. An unvented decorative fireplace is a listed unvented gas log permanently installed in a freestanding enclosure or zero clearance enclosure designed and approved for installation in walls or other building structures. Unvented decorative gas logs and fireplaces shall:

1. Be equipped with an approved oxygen-depletion sensor;
2. Be listed;
3. Not be installed in any room which does not have an alternative primary source of heat;
4. Have free air volume of at least 50 cubic feet(1.4 m³) for each 1,000 Btus (2.2 mm²/W) of thermal output; and
5. Be permanently installed.

NEW SECTION

WAC 51-42-1000 Chapter 10—Boiler/water heaters.

NEW SECTION

WAC 51-42-1002 General.

1002.2 Water Heater Used for Space Heating. The potability of the domestic water system shall be maintained when a water heater is used as a part of a space heating system.

Water heaters used for space heating only are prohibited.

NEW SECTION

WAC 51-42-1004 Safety devices. This section is not adopted.

For safety devices and installation of water heaters, see the Plumbing Code.

NEW SECTION

WAC 51-42-1005 Steam and hot-water boilers. Part II—Steam and Hot-water Boilers, Sections 1005 through 1029 and Table 10-A through Table 10-C, are not adopted.

Boilers and Unfired Pressure Vessels are regulated by chapter 70.79 RCW and chapter 296-104 WAC.

NEW SECTION**WAC 51-42-1100 Chapter 11—Refrigeration.**NEW SECTION**WAC 51-42-1101 General.**

1101.1 Scope. This chapter shall govern the design, installation, construction and repair of refrigeration systems that vaporize and liquefy a fluid during the refrigerating cycle. Refrigerant piping design and installation, including pressure vessels and pressure relief devices, shall conform to this code. Permanently installed refrigerant storage systems and other components shall be considered as part of the refrigeration system to which they are attached.

1101.2 Factory-built equipment. Listed and labeled self-contained, factory-built equipment shall be tested in accordance with UL 207, 303, 412, 465, 471 or 1995.

1101.3 Protection. Any portion of a refrigeration system that is subject to physical damage shall be protected in an approved manner.

1101.4 Water connection. Water supply and discharge connections associated with refrigeration systems shall be made in accordance with this code and the plumbing code.

1101.5 Gas connection. Gas fuel devices and equipment used with refrigeration systems shall be installed in accordance with this code.

1101.6 General. Refrigeration systems shall comply with the requirements of this code and, except as modified by this code, ASHRAE 15-1994. Ammonia-refrigerating systems shall comply with this code and, except as modified by this code, ASHRAE 15-1994 and IIAR 2-1992.

NEW SECTION**WAC 51-42-1102 System requirements.**

1102.1 General. The system classification, allowable refrigerants, the maximum quantity, enclosure requirements, location limitations and field pressure test requirements, shall be determined as follows:

1. Determine the refrigeration system's classification in accordance with Section 1103.
2. Determine the refrigerant classification in accordance with Table 1104.1.
3. Determine the maximum allowable quantity of refrigerant in accordance with Table 1104.2(1), based on type of refrigerant, system classification and occupancy.
4. Determine the system enclosure requirements in accordance with Table 1104.2(1).
5. Refrigeration equipment location and installation shall be subject to the limitations of Chapter 3.
6. Nonfactory-tested, field-erected equipment shall be pressure tested in accordance with Section 1108.

1102.2 Refrigerants. Refrigerants not identified in Table 1104.1 shall be approved before use. Refrigerants (including refrigerant blends) with different designations in ASHRAE

34-1992, with addenda through 1995, shall not be mixed in a system.

1102.2.1 New refrigerants. Refrigerants used in new equipment shall be of a type and purity level specified or approved by the equipment manufacturer.

1102.2.2 Recovered refrigerants. Refrigerants that are recovered from refrigeration and air-conditioning systems shall not be reused in other than the system from which they were recovered and in other systems of the same owner. Recovered refrigerants shall be filtered and dried before reuse. Recovered refrigerants that show clear signs of contamination shall not be reused unless reclaimed in accordance with Section 1102.2.3.

1102.2.3 Reclaimed refrigerants. Used refrigerants shall not be reused in a different owner's equipment unless reclaimed and found to meet the purity requirements of ARI 700-1993. Contaminated refrigerants shall not be used in the same owner's equipment or in a different owner's equipment unless reclaimed and found to meet the purity requirements of ARI 700-1993.

NEW SECTION**WAC 51-42-1103 Refrigeration system classification.**

1103.1 General. For the purposes of applying Tables 1104.1, 1104.2(1), and 1104.2(2), refrigeration systems shall be classified as high-probability or low-probability system based on the potential hazard resulting from a leakage of refrigerant into an occupancy-classified area other than the machinery room.

1103.2 High-probability systems. Direct systems and indirect open-spray systems shall be classified as high-probability systems.

EXCEPTION: An indirect open-spray system shall not be required to be classified as a high-probability system if the pressure of the secondary coolant is at all times (operating and standby) greater than the pressure of the refrigerant.

1103.3 Low-probability systems. Double-indirect open-spray systems, indirect closed systems and indirect-vented closed systems shall be classified as low-probability systems, provided that all refrigerant-containing piping and fittings are isolated when the quantities in Table 1104.1 are exceeded.

NEW SECTION**WAC 51-42-1104 Refrigerant classification and system requirements.**

1104.1 Refrigerant classification. Refrigerants shall be classified in accordance with ASHRAE 34-1992, with addenda through 1995, as listed in Table 1104.1.

TABLE 1104.1
REFRIGERANT^a CLASSIFICATION, AMOUNT^{b,c} AND TLV-TWA^d

REFRIGERANT DESCRIPTION			AMOUNT OF REFRIGERANT PER OCCUPIED SPACE			TLV ^d TWA ppm
Refrigerant Classification	Name or Blend	Chemical Formula	Lb per 1,000 ft ^{3a}	ppm	g/m ^{3c}	
Group A1						
R-11	Trichlorofluoromethane	CCl ₃ F	1.6	4,000	250	C1,000
R-12	Dichlorofluoromethane	CCl ₂ F ₂	12	40,000	200	1,000
R-13	Chlorotrifluoromethane	CClF ₃	18	67,000	290	1,000
R-13B1	Bromotrifluoromethane	CBrF ₃	22	57,000	350	1,000
R-14	Tetrafluoromethane (Carbon Tetrafluoride)	CF ₄	15	67,000	240	1,000
R-22	Chlorodifluoromethane	CHClF ₂	9.4	42,000	150	1,000
R-113	1,1,2-trichloro- 1,2,2-trifluoroethane	CCl ₂ FCClF ₂	1.9	4,000	31	1,000
R-114	1,2-dichloro- 1,1,2,2-tetrafluoroethane	RCClF ₂ CClF ₂	9.4	21,000	150	1,000
R-115	Chloropentafluoroethane	CClF ₂ CF ₃	27	67,000	430	1,000
R-134a	1,1,1,2-tetrafluoroethane	CH ₂ FCF ₃	16	60,000	250	1,000
R-C318	Octafluorocyclobutane	-CF ₂ -CF ₂ -CF ₂ -CF ₂ -	35	67,000	550	1,000
R-400	R-12/R-114	CCl ₂ F ₂ /CCl ₂ FCClF ₂	Note d	Note d	Note d	1,000
R-500	R-12/152a(73.8/26.2)	CClF ₂ /CH ₃ CHF ₂	12	47,000	200	1,000
R-502	R-22/115(48.8/51.2)	CHClF ₂ /CClF ₂ CF ₃	19	65,000	300	1,000
R-503	R-23/13(40.1/59.9)	CHF ₃ /CClF ₃	15	67,000	240	1,000
R-744	Carbon Dioxide	CO ₂	5.7	50,000	91	5,000
Group A2						
R-142b	1-chloro-1,1-difluoroethane	CH ₃ CClF ₂	3.7	14,000	60	1,000
R-152a	1,1-difluoroethane	CH ₃ CHF ₂	1.2	7,000	20	1,000
Group A3^e						
R-170	Ethane	CH ₃ CH ₃	0.50	6,400	8.0	1,000
R-290	Propane	CH ₃ CH ₂ CH ₃	0.50	4,400	8.0	1,000
R-600	Butane	CH ₃ CH ₂ CH ₂ CH ₃	0.51	3,400	8.2	800
R-600a	2-Methyl propane (Isobutane)	CH(CH ₃) ₂ -CH ₃	0.51	3,400	8.2	800
R-1150	Ethene (Ethylene)	CH ₂ =CH ₂	0.38	5,200	6.0	1,000
R-1270	Propene (Propylene)	CH ₃ CH=CH ₂	0.37	3,400	5.0	1,000
Group B1						
R-123	2,2-dichloro-1,1,1-trifluoroethane	CHCl ₂ CF ₃	0.4	1,000	6.3	30
R-764	Sulfur Dioxide	SO ₂	0.016	100	0.26	2
Group B2						
R-40	Chloromethane (methyl chloride)	CH ₃ Cl	1.3	10,000	21.0	C50
R-611	Methyl Formate	HCOOCH ₃	0.78	5,000	12.0	100
R-717	Ammonia	NH ₃	0.022	500	0.35	25
Group B3^e						

For SI: 1 pound = 0.454 kg, 1 cubic foot = 0.0283 m³.

- ^a Other refrigerants shall be approved.
- ^b To be used only in conjunction with footnotes from Table 1104.2(1).
- ^c To correct for height, H (feet), above sea level, multiply these values by (1-2.42 x 10⁻⁶H). To correct for height, h (km), above sea level, multiply these values by (1-7.94 x 10⁻⁵h). Do not adjust volume percent or TLV-TWA (ppm) for altitude.
- ^d The quantity of each component shall comply with the limits set in Table 1104.1 for the pure compound and the total volume percent of all components shall not exceed 6.7 volume percent.
- ^e The basis of the table amounts is given as follows:
 - Group A1 Eighty percent of the cardiac sensitization level for R-11, R-12, R-13B1, R-22, R-113, R-114, R-134a, R-500 and R-502. One hundred percent of the IDLH for R-744. Others are limited by levels where oxygen deprivation begins to occur.
 - Group A2, A3 Approximately 20 percent of LFL.
 - Group B1 One hundred percent of IDLH for R-764, and 100 percent of the measure consistent with the IDLH for R-123.
 - Group B2, B3 One hundred percent of IDLH or 20 percent of LFL, whichever is lower.
- ^f TLV-TWA or measure consistent therewith to be used with Section 1104. The values shown for R-11 and R-40 are TLV-C (TLV-ceiling) values not to be exceeded.
- ^g Group A3 and B3 refrigerants as listed in Table 1104.1 shall not be used in a refrigerating system in excess of 1,000 pounds, unless approved by the code official.

1104.2 System requirements. The maximum allowable refrigerant quantities shall be in accordance with Table 1104.2(1). To use Table 1104.2(1), determine the occupancy class, refrigerant group in accordance with Table 1104.1 and type of system in accordance with Section 1103, and then locate the notes that apply.

1104.2.1 Occupancy classification. Locations of refrigerating systems are described by occupancy classifications that consider the ability of people to respond to potential expo-

sure to refrigerant. Where equipment, other than piping, is located outside a building and within 20 feet (6096 mm) of any building opening, such equipment shall be governed by the occupancy classification of the building. Occupancy classifications shall be defined as follows:

1. Institutional occupancy is that portion of premises from which, because they are disabled, debilitated or confined, occupants cannot readily leave without the assistance of others. Institutional occupancies include,

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among others, hospitals, nursing homes, asylums and spaces containing locked cells.

2. Public assembly occupancy is that portion of premises where large numbers of people congregate and from which occupants cannot quickly vacate the space. Public assembly occupancies include, among others, auditoriums, ballrooms, classrooms, passenger depots, restaurants and theaters.
3. Residential occupancy is that portion of premises that provides the occupants with complete independent living facilities, including permanent provisions for living, sleeping, eating, cooking and sanitation. Residential occupancies include, among others, dormitories, hotels, multi-unit apartments and private residences.
4. Commercial occupancy is that portion of premises where people transact business, receive personal service or purchase food and other goods. Commercial occupancies include, among others, office and professional buildings, markets (but not large mercantile occupancies) and work or storage areas that do not qualify as industrial occupancies.
5. Large mercantile occupancy is that portion of premises where more than 100 persons congregate on levels above or below street level to purchase personal merchandise.
6. Industrial occupancy is that portion of premises that is not open to the public, where access by authorized persons is controlled, and that is used to manufacture, process or store goods such as chemicals, food, ice, meat or petroleum.
7. Mixed occupancy occurs when two or more occupancies are located within the same building. When each occupancy is isolated from the rest of the building by tight walls, floors and ceilings and by self-closing doors, the requirements for each occupancy shall apply to its portion of the building. When the various occupancies are not so isolated, the occupancy having the most stringent requirements shall be the governing occupancy.

TABLE 1104.2(1)
SYSTEM APPLICATION REQUIREMENTS
 (Letters in the table under "Occupancy" refer to footnotes.
 Where more than one footnote exists, each footnote is a limitation on the other.)
 (For system and refrigerant classifications see Section 1103 and Table 1104.1.)

REFRIGERANT GROUP	SYSTEM CLASSIFICATION	OCCUPANCY ^d		
		Institutional	Public assembly, residential, commercial and large mercantile	Industrial
A1	High	a	b	c
	Low	d	d	d
A2	High	e	e	c,f,h
	Low	g	g	g
A3	High	i	i	c,f,h
	Low	i	i	g
B1	High	a,f	b,f	c
	Low	d	d	d
B2	High	e,f	e,f	c,f,h
	Low	g	g	g
B3	High	i	i	c,f,h
	Low	i	i	g

For SI: 1 square foot = 0.0929 m², 1 pound = 0.454 kg.

^aThe refrigerant amount is limited to 50 percent of those listed in Table 1104.1, except Footnote b applies in kitchens, laboratories and mortuaries. If any portion of a refrigerant system containing more than 1 pound of refrigerant (except R-744) is in a room with a flame-sustaining device, this device shall be provided with a hood to exhaust combustion products to the outside air. Otherwise Footnotes e and f shall be followed.

^bThe refrigerant amount shall be limited as listed in Table 1104.1

^cThe refrigerant amount shall be unlimited when all of the following are satisfied:

1. The area containing machinery is separated from the areas of the building not containing machinery by tight construction with tight-fitting doors;
2. Egress from the room is directly outdoors;
3. The number of persons in a machinery-containing space on any floor above the first floor (ground level or deck level) is equal to or less than one person per 100 square feet of floor area or, if the number exceeds one person per 100 square feet, the machinery-containing space shall be provided with the required number of doors opening directly into approved building exits; and
4. Detectors are located in areas where refrigerant vapor from a leak will concentrate so as to provide warning at levels not exceeding the TLV-TWA quantities given in Table 1104.1. Otherwise, the footnotes for other occupancies shall apply.

Exception: For ammonia, see Section 1106.8.

^dWhen the quantity of refrigerant in the largest system exceeds the amounts in Table 1104.1, all refrigerant-containing parts, except piping and those parts outside the building, shall be installed in a machinery room meeting the general requirement of Section 1105.

^eRefrigerant amounts and types of systems shall be limited as shown in Table 1104.2(2).

^fApplications involving air conditioning for human comfort are prohibited.

^gWhen the quantity of refrigerant in the largest system exceeds the amounts in Table 1104.1, all refrigerant-containing parts, except piping and those parts outside the building, shall be installed in a special requirements machinery room in accordance with Section 1106 with limitations on refrigerant quantities as follows:

- 550 pounds — Institutional
 - No limit except Footnote h — Public Assembly
 - No limit except Footnote h — Residential
 - No limit except Footnote h — All other occupancies
 - No limit except Footnote h — Industrial
- Otherwise, Footnote e applies to the amount of Group A2, A3, B2 or B3 refrigerant in the system.

^hWhen the quantity of refrigerant exceeds Table 1104.1 amounts, all refrigerant-containing parts, except piping, low-side components, condensers, and parts outside the building, shall be installed in a machinery room meeting the general requirements in Section 1105. For refrigerants of Groups A2, A3, B2 and B3:

1. The machinery room shall also meet the special requirements of Section 1106.
2. Except for ammonia, amounts in excess of 1,100 pounds shall be approved by the code official.

ⁱUse of these refrigerants is prohibited, except in laboratories in commercial occupancies. Only unit systems containing not more than 6.6 pounds of Group A3 or B3 refrigerant shall be used unless the laboratory is occupied by less than one person per 100 square feet of floor area, in which case the requirements of industrial occupancies shall apply.

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TABLE 1104.2(2)
MAXIMUM PERMISSIBLE QUANTITIES OF REFRIGERANTS
 [For Use With Footnote e of Table 1104.2(1)]

TYPE OF REFRIGERATION SYSTEM	MAXIMUM POUNDS FOR VARIOUS OCCUPANCIES			
	Institutional	Assembly	Residential	All Other Occupancies
Sealed Absorption System				
In exit access	0	0	3.3	3.3
In adjacent outdoor locations	0	0	22	22
In other than exit access	0	6.6	6.6	22
Unit Systems				
In other than exit access	0	0	6.6	22

For SI: 1 pound = 0.454 kg.

1104.3 Volume calculations. Volume calculations shall be in accordance with Sections 1104.3.1 through 1104.3.3.

1104.3.1 Unventilated spaces. Where the refrigerant-containing parts of a system are located in one or more unventilated spaces, the volume of the smallest, enclosed occupied space, other than a machinery room, shall be used to determine the permissible quantity of refrigerant in the system. Where a building consists of several stories of unpartitioned space, such as a mezzanine or an atrium, the story having the smallest occupied space shall be deemed to be the enclosed space.

1104.3.2 Ventilated spaces. Where an evaporator or condenser is located in an air duct system, the volume of the smallest occupied space or unpartitioned building story, served by the duct shall be used to determine the maximum allowable quantity of refrigerant in the system.

EXCEPTION: If airflow to any enclosed space cannot be reduced below one-quarter of its maximum, the entire space served by the air duct system shall be used to determine the maximum allowable quantity of refrigerant in the system.

1104.3.3 Plenums. Where the space above a suspended ceiling is continuous and part of the supply or return air plenum system, this space shall be included in calculating the volume of the enclosed space.

NEW SECTION

WAC 51-42-1105 Machinery room, general requirements.

1105.1 General. Where required by Table 1104.2(1), a machinery room shall be provided to enclose refrigeration systems located indoors. Access to the machinery room shall be restricted to authorized personnel. For rooms where occupational exposure could occur, see WAC 296-62-07515 and 296-62-3112.

1105.2 Dimensions. A machinery room shall be dimensioned so as to provide clearances required by Chapter 3. There shall be clear head room of not less than 7 feet 3 inches (2210 mm) below equipment located over passageways.

1105.3 Doors. Each machinery room shall have self-closing, weather-stripped doors opening in the direction of egress travel. Doors and door openings shall comply with the requirements of the Building Code.

1105.4 Openings. Openings to other parts of the building that permit passage of escaping refrigerant to other parts of the building are prohibited. Ducts and air handlers in the machinery room that operate at a lower pressure than the room shall be sealed to prevent any refrigerant leakage from entering the airstream.

EXCEPTIONS: 1. Egress doors serving the machinery room.
 2. Access doors and panels in air ducts and air-handling units, provided that such openings are gasketed and tight fitting.

1105.5 Refrigerant vapor detector. Machinery rooms shall contain a refrigerant vapor detector with an audible and visual alarm. The detector, or a sampling tube that draws air to the detector, shall be located in an area where refrigerant vapor from a leak will concentrate. The alarm shall be actuated at a value not greater than the corresponding TLV-TWA values shown in Table 1104.1. Detectors and alarms shall be placed in approved locations. Detection and alarm systems shall be powered and supervised, monitored and annunciated, and installed and maintained as required by Section 6313 of the Fire Code.

EXCEPTION: Detectors are not required for ammonia systems complying with Section 1106.8.

1105.6 Tests. Periodic tests of the detector, alarm and mechanical ventilating system shall be performed in accordance with manufacturer's specifications and as required by the code official.

1105.7 Fuel-burning equipment. Open flames that use combustion air from the machinery room shall not be installed in a machinery room.

EXCEPTIONS: 1. Matches, lighters, halide leak detectors and similar devices.
 2. Where the refrigerant is carbon dioxide or water.
 3. Fuel-burning equipment shall not be prohibited in the same machinery room with refrigerant-containing equipment where combustion air is ducted from outside the machinery room and sealed in such a manner as to prevent any refrigerant leakage from entering the combustion chamber, or where a refrigerant

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vapor detector is employed to automatically shut off the combustion process in the event of refrigerant leakage.

1105.8 Sign. A sign shall be posted on the machinery room door prohibiting access of unauthorized personnel.

1105.9 Ventilation. Machinery rooms shall be mechanically ventilated to the outdoors. Mechanical ventilation shall be capable of exhausting the minimum quantity of air both at the normal operating and emergency conditions. Multiple fans or multispeed fans shall be allowed in order to produce the emergency ventilation rate and to obtain a reduced airflow for normal ventilation. Fans providing refrigeration machinery room temperature control or automatic response to refrigerant vapor are allowed to be automatically controlled to provide intermittent ventilation as conditions require.

EXCEPTION: Where a refrigerating system is located outdoors more than 20 feet (6096 mm) from any building opening and is enclosed by a penthouse, lean-to or other open structure, natural or mechanical ventilation shall be provided. Location of the openings shall be based on the relative density of the refrigerant to air. The free-aperture cross section for the ventilation of the machinery room shall be not less than:

$$Q = 100 \times \sqrt{G}$$

For SI: $Q = 0.07 \times \sqrt{G}$

where:

F = the free opening area in square feet (m²).
 G = the mass of refrigerant in pounds (kg) in the largest system, any part of which is located in the machinery room.

1105.9.1 Discharge location. The discharge of the air shall be to the outdoors in accordance with Chapter 5. Exhaust from mechanical ventilation systems shall be discharged not less than 20 feet (6096 mm) from a property line or openings into buildings.

1105.9.2 Supply air. Provisions shall be made for supply air to replace that being exhausted. Openings for supply air shall be located to avoid intake of exhaust air. Air supply and exhaust ducts to the machinery room shall serve no other area, shall be constructed in accordance with Chapter 5 and shall be covered with corrosion-resistant screen of not less than 1/4 inch (6.4 mm) mesh. The supply air shall be taken from directly outside the building. Intakes shall be fitted with backdraft dampers or similar approved flow control means to prevent reverse flow.

1105.9.3 Quantity—normal ventilation. During occupied conditions the mechanical ventilation system shall exhaust the larger of the following:

1. Not less than 0.5 cfm per square foot (0.0025 m³/s • m²) of machinery room area or 20 cfm (0.009 m³/s) per person; or
2. A volume required to maintain a maximum temperature rise of 18°F (-7.8°C) based on all of the heat-producing machinery in the room.

1105.9.4 Quantity—emergency conditions. Upon actuation of the refrigerant detector required in Section 1105.5, the mechanical ventilation system shall exhaust air from the machinery room in the following quantity:

$$F = \sqrt{G}$$

For SI: $F = 0.138\sqrt{G}$

where:

Q = the airflow in cubic feet per minute (m³/s).
 G = the design mass of refrigerant in pounds (kg) in the largest system, any part of which is located in the machinery room.

1105.10 Termination of relief devices. In the equipment room, pressure relief devices, fusible plugs and purge systems shall terminate outside of the structure at a location not less than 15 feet (4572 mm) above the adjoining grade level and not less than 20 feet (6096 mm) from any window, ventilation opening or exit.

NEW SECTION

WAC 51-42-1106 Machinery room, special requirements.

1106.1 General. Where required by Table 1104.2(1), the machinery room shall meet the requirements of this section in addition to the requirements of Section 1105.

1106.2 Elevated temperature. There shall not be an open flame-producing device or continuously operating hot surface over 800°F (427°C) permanently installed in the room.

1106.3 Construction requirements. The machinery room shall be separated from other occupied space with smoke-tight, 1-hour fire-resistance-rated construction.

1106.4 Opening protectives. Opening protection between the machinery room and other occupied spaces shall be approved, self-closing, tight-fitting fire doors with a minimum fire-resistance-rating of 3/4 hour.

1106.5 Pipe penetrations. All pipe penetrations of the interior walls, ceiling or floor of machinery rooms shall be sealed vapor tight and protected in accordance with the Building Code.

1106.6 Exterior openings. Openings in exterior walls of machinery rooms shall not be located under any exit, stairway or exit discharge.

1106.7 Egress. Means of egress shall comply with Section 1007.7 of the Building Code.

Each machinery room shall be provided with a minimum of one exit door that opens directly to the outside.

EXCEPTION:

1. Self-closing, tight-fitting doors opening into a vestibule leading directly outside.
2. Existing machinery rooms.

PERMANENT

1106.8 Ammonia room ventilation. Ventilation equipment in ammonia machinery rooms shall be operated continuously.

- EXCEPTIONS:
1. Machinery rooms equipped with a refrigerant vapor detector that will automatically start the ventilation system and actuate an alarm at a detection level not to exceed 1,000 ppm; or
 2. Machinery rooms conforming to the Class 1, Division 2, hazardous location classification requirements of NFPA 70.

1106.9 Flammable refrigerants. Where refrigerants of Groups A2, A3, B2 and B3 are used, the machinery room shall conform to the Class 1, Division 2, hazardous location classification requirements of NFPA 70.

EXCEPTION: Ammonia machinery rooms.

1106.10 Remote controls. Remote control of the mechanical equipment located in the machinery room shall be provided at an approved location immediately outside the machinery room and adjacent to its principal entrance.

1106.10.1 Refrigeration system. A clearly identified switch of the break-glass-type shall provide off-only control of all electrically energized equipment in the machinery room, other than the refrigerant leak detectors and machinery room ventilation.

1106.10.2 Ventilation system. Mechanical ventilation systems shall have switches to control power to each fan. The switches shall be key operated or within a locked glass-covered enclosure at an approved location adjacent to and outside of the principal entrance to the machinery room. Necessary keys shall be located in a single approved location. Switches controlling fans providing intermittent or emergency ventilation shall be of the three-position, automatic/on/off type. Switches shall be labeled identifying both function and specific fan controlled. Two-colored and labeled indicator lamps responding to the differential pressure created by the air flow shall be provided for each switch. One lamp shall indicate flow, the other shall indicate no flow.

1106.10.3 Emergency control box. An emergency control box shall be provided as required by IIAR 2-1992 Section 5.4. Emergency control boxes shall be designed and constructed to the standards of IIAR 2-1992 Appendix A except as modified by Section 6307 of the Fire Code.

NEW SECTION

WAC 51-42-1107 Refrigerant piping.

1107.1 General. All refrigerant piping shall be installed, tested and placed in operation in accordance with this chapter.

1107.2 Pipe enclosures. Rigid or flexible metal enclosures or pipe ducts shall be provided for soft, annealed copper tubing and used for refrigerant piping erected on the premises and containing other than Group A1 or B1 refrigerants. Enclosures shall not be required for connections between condensing units and the nearest riser box(es), provided such connections do not exceed 6 feet (1829 mm) in length.

1107.3 Condensation. All refrigerating piping and fittings, brine piping and fittings that, during normal operation, will reach a surface temperature below the dew point of the surrounding air, and are located in spaces or areas where

condensation will cause a safety hazard to the building occupants, structure, electrical equipment or any other equipment, shall be protected in an approved manner to prevent such damage.

1107.4 Materials for refrigerant pipe and tubing. Piping materials shall be as set forth in Sections 1107.4.1 through 1107.4.5.

1107.4.1 Steel pipe. Carbon steel pipe with a wall thickness not less than Schedule 80 shall be used for Group A2, A3, B2 or B3 refrigerant liquid lines for sizes 1 1/2 inches (38 mm) and smaller. Carbon steel pipe with a wall thickness not less than Schedule 40 shall be used for Group A1 or B1 refrigerant liquid lines 6 inches (152 mm) and smaller, Group A2, A3, B2 or B3 refrigerant liquid lines sizes 2 inches (51 mm) through 6 inches (152 mm), and all refrigerant suction and discharge lines 6 inches (152 mm) and smaller. Type F steel pipe shall not be used for refrigerant lines having an operating temperature less than -20°F (-29°C).

1107.4.2 Copper and brass pipe. Standard iron-pipe size, copper and red brass (not less than 80 percent copper) pipe shall conform to ASTM B 42 and ASTM B 43.

1107.4.3 Copper tube. Copper tube used for refrigerant piping erected on the premises shall be seamless copper tube of Type ACR (hard or annealed) complying with ASTM B 280. Where approved, copper tube for refrigerant piping erected on the premises shall be seamless copper tube of Type K, L or M (drawn or annealed) in accordance with ASTM B 88. Annealed temper copper tube shall not be used in sizes larger than a 2-inch (51 mm) nominal size. Mechanical joints shall not be used on annealed temper copper tube in sizes larger than 7/8-inch (22 mm) OD size.

1107.4.4 Copper tube joints. Copper tubing joints used in refrigerating systems containing Group A2, A3, B2 or B3 refrigerants shall be brazed. Soldered joints shall not be used in such refrigerating systems.

1107.4.5 Aluminum tube. Type 3003-0 aluminum tubing with high-pressure fittings shall not be used with methyl chloride and other refrigerants known to attack aluminum.

1107.5 Joints and refrigerant-containing parts in air ducts. Joints and all refrigerant-containing parts of a refrigerating system located in an air duct of an air-conditioning system carrying conditioned air to and from humanly occupied space shall be constructed to withstand, without leakage, a pressure of 150 percent of the higher of the design pressure or pressure relief device setting.

1107.6 Exposure of refrigerant pipe joints. Refrigerant pipe joints erected on the premises shall be exposed for visual inspection prior to being covered or enclosed.

1107.7 Stop valves. All systems containing more than 6.6 pounds (3 kg) of a refrigerant in systems using positive-displacement compressors, shall have stop valves installed as follows:

1. At the inlet of each compressor, compressor unit or condensing unit.
2. At the discharge outlet of each compressor, compressor unit or condensing unit and of each liquid receiver.

- EXCEPTIONS:**
1. Systems that have a refrigerant pumpout function capable of storing the entire refrigerant charge in a receiver or heat exchanger.
 2. Systems that are equipped with provisions for pumpout of the refrigerant using either portable or permanently installed recovery equipment.
 3. Self-contained systems.

1107.7.1 Liquid receivers. All systems containing 100 pounds (45 kg) or more of a refrigerant, other than systems utilizing nonpositive displacement compressors, shall have stop valves, in addition to those required by Section 1107.7, on each inlet of each liquid receiver. Stop valves shall not be required on the inlet of a receiver in a condensing unit, nor on the inlet of a receiver which is an integral part of the condenser.

1107.7.2 Copper tubing. Stop valves used with soft annealed copper tubing or hard-drawn copper tubing 7/8-inch (22 mm) OD standard size or smaller shall be securely mounted, independent of tubing fastenings or supports.

1107.7.3 Identification. Stop valves shall be identified where their intended purpose is not obvious. Numbers shall not be used to label the valves, unless a key to the numbers is located near the valves.

NEW SECTION

WAC 51-42-1108 Field test.

1108.1 General. Every refrigerant-containing part of every system that is erected on the premises, except compressors, condensers, vessels, evaporators, safety devices, pressure gauges and control mechanisms that are listed and factory tested, shall be tested and proved tight after complete installation, and before operation. Tests shall include both the high- and low-pressure sides of each system at not less than the lower of the design pressures or the setting of the pressure-relief device(s). The design pressures for testing shall be those listed on the condensing unit, compressor or compressor unit nameplate, as required by ASHRAE 15-1994.

- EXCEPTIONS:**
1. Gas bulk storage tanks that are not permanently connected to a refrigeration system.
 2. Systems erected on the premises with copper tubing not exceeding 5/8-inch (16 mm) OD, with wall thickness as required by ASHRAE 15-1994, shall be tested in accordance with Section 1108.1, or by means of refrigerant charged into the system at the saturated vapor pressure of the refrigerant at 70°F (21°C) or higher.
 3. Limited-charge systems equipped with a pressure relief device, erected on the premises, shall be tested at a pressure not less than one and one-half times the pressure setting of the relief device. If the equipment has been tested by the manufacturer at one and one-half times the design pressure, the test after erection on the premises shall be conducted at the design pressure.
 4. Where a compressor is used as a booster to obtain an intermediate pressure and discharges into the suction side of another compressor, the booster compressor shall be considered a part of the low side, provided that it is protected by a pressure relief device.
 5. In field-testing systems using centrifugal or other nonpositive displacement compressors, the entire system shall be considered as the low-side pressure for field test purposes.

1108.2 Test gases. Tests shall be performed with an inert dried gas including, but not limited to, nitrogen or carbon

dioxide. Oxygen, air, toxic or combustible gases, and mixtures containing such gases, shall not be used.

1108.3 Test apparatus. The means used to build up the test pressure shall have either a pressure-limiting device or a pressure-reducing device and a gauge on the outlet side.

1108.4 Declaration. A certificate of test shall be provided for all systems containing 55 pounds (25 kg) or more of refrigerant. The certificate shall give the name of the refrigerant and the field test pressure applied to the high side and the low side of the system. The certification of test shall be signed by the installer and shall be made part of the public record.

NEW SECTION

WAC 51-42-1311 Material for gas piping.

1311.1 General. Pipe and tubing used for the installation, extension, alteration or repair of gas piping shall be standard weight wrought iron or steel (galvanized or black), yellow brass, seamless copper tubing, threaded copper, brass, internally tinned copper tubing, or listed Corrugated Stainless Steel Tubing (CSST). Seamless copper tubing may be used for gas piping provided that it conforms with ASTM B 88 (Type K or Type L), ASTM B 280 (Type ACR), or ASTM B 837 (Type G). Copper tubing, copper and brass pipe shall not be used if the gas contains more than an average of 0.3 grains of hydrogen sulfide per 100 standard cubic feet of gas. CSST may be permitted provided that it is part of a system listed by an approved agency as complying with the reference standard listed in Chapter 16, Part III. Approved PE pipe may be used in exterior buried piping systems.

1311.3 Fittings. All fittings shall be approved for gas piping systems. The fittings shall be compatible with or shall be of the same material as the pipe or tubing. Fittings used in connection with the piping shall be of malleable iron, brass, bronze, copper, or approved plastic fittings. All fittings and components used with Corrugated Stainless Steel Tubing (CSST) shall be of the same listed system. Fittings used with copper or brass pipe shall be copper, brass, bronze or 45 degree flare fittings.

NEW SECTION

WAC 51-42-1312 Installation of gas piping.

1312.1 Joints. Joints in the piping system, unless welded, brazed or flared, shall be threaded joints having approved standard threads. The threaded joints shall be made with approved pipe joint material, insoluble in fuel gas and applied to the male threads only. Welded joints in a gas-supply system shall be made by an approved, qualified welder. See Section 203. Brazing material shall have a melting point in excess of 1,000°F (520°C) and shall not contain more than 0.05 percent phosphorous.

1312.3 Piping through foundation wall. Underground piping, where installed below grade through the outer foundation or basement wall of a building, shall be encased in a protective pipe. The annular space between the gas piping and the sleeve shall be sealed at the foundation or basement wall to prevent entry of gas or water.

Existing walls shall be core drilled and sealed with an approved mechanical seal.

1312.6 Corrosion and covering protection. Metallic gas piping systems installed underground in exterior locations shall be protected from corrosion by approved coatings or wrapping materials applied in an approved manner, and cathodically protected in accordance with NACE RP-01-69. Horizontal metallic piping shall have at least 12 inches (305 mm) of earth cover or equivalent protection. Plastic gas piping shall have at least 18 inches (457 mm) of earth cover or equivalent protection. Risers, including prefabricated risers inserted with plastic pipe, shall be metallic and shall be protected in an approved manner to a point at least 6 inches (152 mm) above grade. When a riser connects to plastic pipe underground, the horizontal metallic portion underground shall be at least 30 inches (762 mm) in length before connecting to the plastic service pipe. An approved transition fitting or adaptor shall be used where the plastic joins the metallic riser.

EXCEPTION: Listed one-piece 90-degree transition fittings or risers may have less than 30 inches (762 mm) of horizontal metallic piping.

1312.7 Electrical isolation of fuel gas piping. Underground metallic gas piping systems shall be electrically isolated from other metallic structures or utilities with listed or approved isolation fittings installed a minimum of 6 inches (152 mm) above grade.

1312.17 Directional changes. Changes in direction of gas piping shall be made by use of appropriate fittings, except copper tubing, which may change direction by bending, and polyethylene gas piping and tubing, which may be bent to a radius not less than 20 times the nominal diameter of the pipe or tube.

1312.18 Marking and labeling. Copper tubing carrying fuel gas shall be identified by yellow labels marked in black letters, "Fuel Gas", or "2 PSIG Fuel Gas" for medium pressure gas piping systems carrying fuel gas at 2 PSIG pressure. Labels shall be affixed to the tubing at 12-inch (305 mm) intervals or less throughout the length of the tubing runs.

NEW SECTION

WAC 51-42-1401 Oil-burning appliances.

1401 Oil-burning appliances.

Tanks, piping and valves for appliances burning fuel oil shall be installed in accordance with the requirements of recognized standards listed in Part III of Chapter 16.

Fuel tanks and fuel tank systems shall be taken out of service in accordance with the Fire Code.

WSR 98-02-058 PERMANENT RULES DEPARTMENT OF SOCIAL AND HEALTH SERVICES

(Health and Rehabilitative Services Administration)

[Filed January 6, 1998, 4:12 p.m.]

Date of Adoption: January 5, 1998.

Purpose: To repeal rules that are obsolete, outdated, and no longer used for the delivery of services to people with developmental disabilities.

The type of services addressed in the WACs being repealed can be found in chapters 275-25 and 275-27 WAC.

Citation of Existing Rules Affected by this Order: Repealing WAC 388-15-300, 388-15-310, 388-15-320, and 388-15-330.

Statutory Authority for Adoption: RCW 74.09.290, 74.08.090.

Adopted under notice filed as WSR 97-23-082 on November 19, 1997.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 0, repealed 4.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 4.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Thirty-one days after filing.

January 5, 1998

Merry A. Kogut, Manager
Rules and Policies Assistance Unit

REPEALER

The following sections of the Washington Administrative Code are repealed:

388-15-300 Developmental disabilities case services.

388-15-310 Developmental disabilities home (AID) services.

388-15-320 Developmental center services.

388-15-330 Sheltered workshops.

**WSR 98-02-001
EMERGENCY RULES
DEPARTMENT OF
FISH AND WILDLIFE**

[Order 97-257—Filed December 24, 1997, 12:55 p.m.]

Date of Adoption: December 24, 1997.

Purpose: Commercial fishing regulations.

Citation of Existing Rules Affected by this Order:

Repealing WAC 220-52-07300U; and amending WAC 220-52-073.

Statutory Authority for Adoption: RCW 75.08.080.

Under RCW 34.05.350 the agency for good cause finds that immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.

Reasons for this Finding: Harvestable amounts of red and green sea urchins exist in the areas described. Prohibition of all diving within one day of scheduled sea urchin openings discourages the practice of fishing on closed days and hiding the unlawful catch underwater until the legal opening. There is insufficient time to promulgate permanent rules.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 1, amended 0, repealed 1.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: [Immediately].

December 24, 1997

Dirk Brazil
for Bern Shanks
Director

NEW SECTION

WAC 220-52-07300V Sea urchins Notwithstanding the provisions of WAC 220-52-073, effective immediately until further notice it is unlawful to take or possess sea urchins taken for commercial purposes except as provided for in this section:

(1) Red sea urchins: Sea Urchin Districts 1, and 2 are open only on December 28 and 29, 1997. Sea Urchin District 4 is open only on December 28 and 29, 1997. It is unlawful to harvest red sea urchins larger or smaller than the following size (size in diameter exclusive of the spines):

(a) Districts 1 and 2 - 4.0 minimum to 5.5 maximum inches.

(b) District 4 - 3.25 minimum to 5.0 maximum inches.

(2) Green sea urchins: Sea Urchin Districts 1, 2, 3, 4, and Marine Fish/Shellfish Management and Catch Reporting Areas 24A, 24B, 24C, 24D, are open only on December 28 and 29, 1997. The minimum size for green sea urchins is 2.25 inches in diameter exclusive of the spines.

(3) Sea Urchin Districts:

(a) Sea Urchin District 1 (Northern San Juan Islands) is defined as Marine Fish-Shellfish Management and Catch Reporting Areas 20A, 20B, and those waters of Area 22A north of a line projected east-west one-quarter mile north of Lime Kiln Light on San Juan Island and west of a line projected true north from Limestone Point on San Juan Island.

(b) Sea Urchin District 2 (Southern San Juans and Port Townsend) is defined as those waters of Marine Fish/Shellfish Management and Catch Reporting Area 22A south of a line projected east-west one-quarter mile north of Lime Kiln Light on San Juan Island and east of a line projected true north from Limestone Point on San Juan Island, and Areas 21A, 21B, 22B, 23A, 23B, 25A, and 25B. The following areas within Sea Urchin District 2 are closed to the harvest of sea urchins at all times.

(i) Those waters of Haro Strait north of a line projected east-west one-half mile south of Eagle Point on San Juan Island and south of a line projected east-west one-quarter mile north of Lime Kiln Light on San Juan Island.

(ii) Those waters of San Juan Channel and Upright Channel within the following lines: north of a line from Cattle Point on San Juan Island to Davis Point on Lopez Island, south of a line projected from Flat Point on Lopez Island true west to Shaw Island, west of a line from Neck Point on Shaw Island to Steep Point on Orcas Island, and south of a line from Steep Point on Orcas Island to Limestone Point on San Juan Island.

(4) It is unlawful to dive for any purpose from a commercially-licensed fishing vessel, except vessels actively fishing geoducks under contract with the Washington Department of Natural Resources, on December 26 and 27, 1997.

REPEALER

The following section of the Washington Administrative Code is repealed:

WAC 220-52-07300U Sea urchin (97-241)

**WSR 98-02-002
EMERGENCY RULES
DEPARTMENT OF
FISH AND WILDLIFE**

[Order 97-256—Filed December 24, 1997, 12:55 p.m.]

Date of Adoption: December 24, 1997.

Purpose: Commercial fishing regulations.

Citation of Existing Rules Affected by this Order:

Repealing WAC 220-52-04600X; and amending WAC 220-52-046.

Statutory Authority for Adoption: RCW 75.08.080.

Under RCW 34.05.350 the agency for good cause finds that immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or

general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.

Reasons for this Finding: This rule is necessary to preserve fishing opportunity consistent with the Quinault state-tribal management plan for the 1997-98 coastal Dungeness crab season. The Quinault Indian Nation adopted a corresponding regulation. There is insufficient time to promulgate permanent rules.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 1, amended 0, repealed 1.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Immediately.

December 24, 1997
Dirk Brazil
for Bern Shanks
Director

NEW SECTION

WAC 220-52-04600Y Crab fishery—Seasons, areas and gear restrictions Notwithstanding the provisions of WAC 220-52-046, effective immediately until further notice, it is unlawful for non-Indian commercial fishers to fish for or take crab for commercial purposes, or place gear, in the following areas during the periods indicated:

(1) The following areas are closed through January 4, 1998:

Quinault

Those waters bounded by lines projected between the following coordinates:

NW corner:	47°09.00'N	124°23.80'W
		(124 degrees 23 and 8 tenths of a minute.)
NE corner:	47°09.00'N	124°16.30'W
SW corner:	46°58.00'N	124°22.00'W
SE corner:	46°58.00'N	124°15.30'W

Quinault and Hoh

Those waters bounded by lines projected between the following coordinates:

NW corner:	47°32.00'N	124°34.00'W
NE corner:	47°32.00'N	124°29.50'W
SW corner:	47°27.00'N	124°33.00'W
SE corner:	47°27.00'N	124°28.60'W

(2) The following area is closed through January 7, 1998, and after February 4, 1998, until further notice:
Quileute and Hoh

Those Pacific Ocean waters inside and bounded by a line projected from the shore due west along 47°40.50'N (Destruction Island) to 47°40.50'N, 124°37.50'W, thence northerly to 48°00.00'N, 124°49.50'W, thence northerly to 48°02.25'N, 124°50.00'W, thence due east to shore.

(3) The following area is closed after December 28, 1997, until further notice:

Makah

Line projected due west from shore along 48°02.25'N, to 48 02.15'N by 124°50.00'W, thence to 48°07.60'N, by 124°51.40'W, thence to 48°20.00'N, by 124°50.00'W, thence to the most western end of Cape Flattery.

Reviser's note: The typographical error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

REPEALER

The following section of the Washington Administrative Code is repealed:

WAC 220-52-04600X	Crab fishery—Seasons, areas and gear restrictions. (97-239)
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WSR 98-02-010
EMERGENCY RULES
DEPARTMENT OF
LABOR AND INDUSTRIES
[Filed December 29, 1997, 12:45 p.m.]

Date of Adoption: December 29, 1997.

Purpose: This emergency adoption amends the permissible exposure limits (PELs) for chromic acid and chromates, and mercury (aryl and inorganic) in WAC 296-62-07515 so that these PELs are identical to OSHA's rule (Code of Federal Regulations 1910.1000 Table Z-1 and Z-2) and provide appropriate protection of the health of workers where these chemicals are used.

Amended section WAC 296-62-07515 Control of chemical agents, the following state-initiated changes are being made to Table 1: Limits for Air Contaminants Permissible Exposure Limits (PEL).

- Chromic acid and chromates (as CrO₃) PEL is changed from 0.1 mg/m³ TWA (time weighed average) to 0.1 mg/m³ Ceiling limit making this PEL identical to OSHA's rule.
- Mercury (aryl and inorganic) (as Hg) PEL changed from 0.1 mg/m³ TWA to 0.1 mg/m³ Ceiling limit making this PEL identical to OSHA's rule.

Citation of Existing Rules Affected by this Order: Amending WAC 296-62-07515.

Statutory Authority for Adoption: RCW 49.17.010, [49.17].040, and [49.17].050.

Under RCW 34.05.350 the agency for good cause finds that immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of

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notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.

Reasons for this Finding: Labor and Industries is adopting the emergency rule so that the permissible exposure limits for chromic acid and chromates, and mercury (aryl and inorganic) are identical to OSHA's rule (CFR 1910.1000 Table Z-1 and Z-2) and provide appropriate protection of the health and safety of workers where these chemicals are used.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 1, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 1, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Immediately.

December 29, 1997

Gary Moore
Director

AMENDATORY SECTION (Amending WSR 97-19-014, filed 9/5/97, effective 11/5/97)

WAC 296-62-07515 Control of chemical agents. Chemical agents shall be controlled in such a manner that the workers exposure shall not exceed the applicable limits in WAC 296-62-075 through 296-62-07515.

TABLE 1: LIMITS FOR AIR CONTAMINANTS
Permissible Exposure Limits (PEL)

Substance	CAS ⁱ Number	TWA		STEL ^{c/}		CEILING		Skin Designation
		ppm ^{a/}	mg/m ^{3b/}	ppm ^{a/}	mg/m ^{3b/}	ppm ^{a/}	mg/m ^{3b/}	
Abate, see Temephos	—	—	—	—	—	—	—	—
Acetaldehyde	75-07-0	100	180	150	270	—	—	—
Acetic acid	64-19-7	10	25	—	—	—	—	—
Acetic anhydride	108-24-7	—	—	—	—	5.0	20	—
Acetone	67-64-1	750	1800	1000	2400	—	—	—
Acetonitrile	75-05-8	40	70	60	105	—	—	—
2-Acetylaminofluorene (see WAC 296-62-073)	53-96-3	—	—	—	—	—	—	—
Acetylene	74-86-2	Simple	Asphyxiant	—	—	—	—	—
Acetylene dichloride (see 1,2-Dichloroethylene)	—	—	—	—	—	—	—	—
Acetylene tetrabromide	79-27-6	1.0	14	—	—	—	—	—
Acetylsalicylic acid (Aspirin)	50-78-2	—	5.0	—	—	—	—	—
Acrolein	107-02-8	0.1	0.25	0.3	0.8	—	—	—
Acrylamide	79-06-1	—	0.03	—	—	—	—	X
Acrylic acid	79-10-7	10	30	—	—	—	—	X
Acrylonitrile (see WAC 296-62-07341)	107-13-1	—	—	—	—	—	—	—
Aldrin	309-00-2	—	0.25	—	—	—	—	X
Allyl alcohol	107-18-6	2.0	5.0	4.0	10	—	—	X
Allyl Chloride	107-05-1	1.0	3.0	2.0	6.0	—	—	—
Allyl glycidyl ether (AGE)	106-92-3	5.0	22	10	44	—	—	—
Allyl propyl disulfide	2179-59-1	2.0	12	3.0	18	—	—	—
alpha-Alumina (see Aluminum oxide)	1344-28-1	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Aluminum, metal and oxide (as Al)	7429-90-5	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
pyro powders	—	—	5.0	—	—	—	—	—
welding fumes f/ soluble salts	—	—	5.0	—	—	—	—	—
alkyls (NOC)	—	—	2.0	—	—	—	—	—

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Alundum (see Aluminum oxide)	—	—	—	—	—	—	—	—
4-Aminodiphenyl (see WAC 296-62-073)	92-67-1	—	—	—	—	—	—	—
2-Aminoethanol (see Ethanolamine)	—	—	—	—	—	—	—	—
2-Aminopyridine	504-29-0	0.5	2.0	—	—	—	—	—
Amitrole	61-82-5	—	0.2	—	—	—	—	—
Ammonia	7664-41-7	25	18	35	27	—	—	—
Ammonium chloride, fume	12125-02-9	—	10	—	20	—	—	—
Ammonium sulfamate (Ammate)	7773-06-0	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
n-Amyl acetate	628-63-7	100	525	—	—	—	—	—
sec-Amyl acetate	626-38-0	125	650	—	—	—	—	—
Aniline and homologues	62-53-3	2.0	8.0	—	—	—	—	X
Anisidine (o, p-isomers)	29191-52-4	0.1	0.5	—	—	—	—	X
Anitmony and Compounds (as Sb)	7440-36-0	—	0.5	—	—	—	—	—
ANTU (alpha Naphthyl thiourea)	86-88-4	—	0.3	—	—	—	—	—
Argon	7440-37-1	Simple	Asphyxiant	—	—	—	—	—
Arsenic, Organic compounds (as As)	7440-38-2	—	0.2	—	—	—	—	—
Arsenic, Inorganic compounds, (as As) (see WAC 296-62-07347 for applications and exclusions)	7440-38-2	—	0.2	—	—	—	—	—
Arsine	7784-42-1	0.05	0.2	—	—	—	—	—
Asbestos (see WAC 296-62-077 through 296-62-07753)	—	—	—	—	—	—	—	—
Asphalt (Petroleum fumes)	8052-42-4	—	5.0	—	—	—	—	—
Atrazine	1912-24-9	—	5.0	—	—	—	—	—
Azinphos methyl	86-50-0	—	0.2	—	—	—	—	X
Barium, soluble compounds (as Ba)	7440-39-3	—	0.5	—	—	—	—	—
Barium Sulfate	7727-43-7	—	—	—	—	—	—	—
Total dust	—	—	10.0	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Benomyl	17804-35-2	—	—	—	—	—	—	—
Total dust	—	0.8	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Benzene, (see WAC 296-62-07523)d/	71-43-2	1.0	—	5.0	—	—	—	—
Benzidine, (see WAC 296-62-073)	92-87-5	—	—	—	—	—	—	—
p-Benzoquinone, (see Quinone)	—	—	—	—	—	—	—	—
Benzo(a) pyrene; (see Coal tar pitch volatiles)	—	—	—	—	—	—	—	—
Benzoyl peroxide	94-36-0	—	5.0	—	—	—	—	—
Benzyl chloride	100-44-7	1.0	5.0	—	—	—	—	—
Beryllium and beryllium compounds (as Be)	7440-41-7	—	0.002	—	0.005 (30 min.)	—	0.025	—
Biphenyl (see Diphenyl)	—	—	—	—	—	—	—	—
Bismuth telluride, Undoped	1304-82-1	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Bismuth telluride, Se-doped	—	—	5.0	—	—	—	—	—
Borates, tetra, sodium salts: Anhydrous	1330-43-4	—	1.0	—	—	—	—	—

Decahydrate	1303-96-4	—	5.0	—	—	—	—	—
Pentahydrate	12179-04-3	—	1.0	—	—	—	—	—
Boron oxide	1303-86-2	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Boron tribromide	10294-33-4	—	—	—	—	1.0	10	—
Boron trifluoride	7637-07-2	—	—	—	—	1.0	3.0	—
Bromacil	314-40-9	1.0	10	—	—	—	—	—
Bromine	7726-95-6	0.1	0.7	0.3	2.0	—	—	—
Bromine pentafluoride	7789-30-2	0.1	0.7	—	—	—	—	—
Bromochloromethane, (see Chlorobromomethane)	—	—	—	—	—	—	—	—
Bromoform	15-25-2	0.5	5.0	—	—	—	—	X
Butadiene (1,3-butadiene)	106-99-0	1	2.2	5	—	—	—	—
Butane	106-97-8	800	1,900	—	—	—	—	—
Butanethiol (see Butyl mercaptan)	—	—	—	—	—	—	—	—
2-Butanone (Methyl ethyl ketone)	78-93-3	200	590	300	885	—	—	—
2-Butoxy ethanol (Butyl Cellosolve)	111-76-2	25	120	—	—	—	—	X
n-Butyl acetate	123-86-4	150	710	200	950	—	—	—
sec-Butyl acetate	105-46-4	200	950	—	—	—	—	—
tert-Butyl acetate	540-88-5	200	950	—	—	—	—	—
Butyl acrylate	141-32-2	10	55	—	—	—	—	—
n-Butyl alcohol	71-36-3	—	—	—	—	50	150	X
sec-Butyl alcohol	78-92-2	100	305	—	—	—	—	—
tert-Butyl alcohol	75-65-0	100	300	150	450	—	—	—
Butylamine	109-73-9	—	—	—	—	5.0	15	X
tert-Butyl chromate (see CrO3)	1189-85-1	—	—	—	—	—	0.1	X
n-Butyl glycidyl ether (BGE)	2426-08-6	25	135	—	—	—	—	—
n-Butyl lactate	138-22-7	5.0	25	—	—	—	—	—
Butyl mercaptan	109-79-5	0.5	1.5	—	—	—	—	—
o-sec-Butylphenol	89-72-5	5.0	30	—	—	—	—	X
p-tert-Butyl-toluene	98-51-1	10	60	20	120	—	—	—
Cadmium oxide fume, (as Cd) (see WAC 296-62-074)	1306-19-0	—	—	—	—	—	—	—
Cadmium dust and salts (as Cd) (see WAC 296-62-074)	7440-43-9	—	—	—	—	—	—	—
Calcium arsenate (see WAC 296-62-07347)	—	—	—	—	—	—	—	—
Calcium carbonate	1317-65-3	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Calcium cyanamide	156-62-7	—	0.5	—	—	—	—	—
Calcium hydroxide	1305-62-0	—	5.0	—	—	—	—	—
Calcium oxide	1305-78-8	—	2.0	—	—	—	—	—
Calcium silicate	1344-95-2	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Calcium sulfate	7778-18-9	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Camphor (synthetic)	76-22-2	—	2.0	—	—	—	—	—
Caprolactam;	105-60-2	—	—	—	—	—	—	—
Dust	—	—	1.0	—	3.0	—	—	—
Vapor	—	5.0	20	10	40	—	—	—
Captafol (Difolatan)	2425-06-1	—	0.1	—	—	—	—	X
Captan	133-06-2	—	5.0	—	—	—	—	—

Carbaryl (Sevin)	63-25-2	—	5.0	—	—	—	—	—
Carbofuran (Furadon)	1563-66-2	—	0.1	—	—	—	—	—
Carbon black	1333-86-4	—	3.5	—	—	—	—	—
Carbon dioxide	124-38-9	5,000	9,000	30,000	54,000	—	—	—
Carbon disulfide	75-15-0	4.0	12	12	36	—	—	X
Carbon monoxide	630-08-0	35	40	—	—	200 m/	229 m/	—
Carbon tetrabromide	558-13-4	0.1	1.4	0.3	4.0	—	—	—
Carbon tetrachloride	56-23-5	2.0	12.6	—	—	—	—	—
Carbonyl chloride (see Phosgene)	—	—	—	—	—	—	—	—
Carbonyl fluoride	353-50-4	2.0	5.0	5.0	15	—	—	—
Catechol (Pyrocatechol)	120-80-9	5.0	20	—	—	—	—	X
Cellulose (paper fiber)	9004-34-6	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Cesium hydroxide	21351-79-1	—	2.0	—	—	—	—	—
Chlordane	57-74-9	—	0.5	—	—	—	—	X
Chlorinated camphene	8001-35-2	—	0.5	—	1.0	—	—	X
Chlorinated diphenyl oxide	55720-99-5	—	0.5	—	—	—	—	—
Chlorine	7782-50-5	0.5	1.5	1.0	3.0	1.0	3.0	—
Chlorine dioxide	10049-04-4	0.1	0.3	0.3	0.9	—	—	—
Chlorine trifluoride	7790-91-2	—	—	—	—	0.1	0.4	—
Chloroacetaldehyde	107-20-0	—	—	—	—	1.0	3.0	—
o-Chloroacetophenone (Phenacyl chloride)	532-21-4	0.05	0.3	—	—	—	—	—
Chloroacetyl chloride	79-04-9	0.05	0.2	—	—	—	—	—
Chlorobenzene (Monochlorobenzene)	108-90-7	75	350	—	—	—	—	—
o-Chlorobenzylidene malononitrile (OCBM)	2698-41-1	—	—	—	—	0.05	0.4	X
Chlorobromomethane	74-97-5	200	1,050	—	—	—	—	—
2-Chloro-1, 3-butadiene (see beta-Chloroprene)	—	—	—	—	—	—	—	—
Chlorodifluoromethane	75-45-6	1,000	3,500	—	—	—	—	—
Chlorodiphenyl (42% Chlorine) (PCB)	53469-21-9	—	1.0	—	—	—	—	X
Chlorodiphenyl (54% Chlorine) (PCB)	11097-69-1	—	0.5	—	—	—	—	X
1-Chloro-2, 3-epoxypropane, (see Epichlorhydrin)	—	—	—	—	—	—	—	—
2-Chloroethanol (see Ethylene chlorohydrin)	—	—	—	—	—	—	—	—
Chloroethylene (see vinyl chloride)	—	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	67-66-3	2.0	9.78	—	—	—	—	—
1-Chloro-1-nitropropane	600-25-9	2.0	10	—	—	—	—	—
bis-Chloromethyl ether (see WAC 296-62-073)	542-88-1	—	—	—	—	—	—	—
Chloromethyl methyl ether (see Methyl carbomethyl ether)	107-30-2	—	—	—	—	—	—	—
Chloropentafluoroethane	76-15-3	1,000	6,320	—	—	—	—	—
Chloropicrin	76-06-2	0.1	0.7	—	—	—	—	—
beta-Chloroprene	126-99-8	10	35	—	—	—	—	X
o-Chlorostyrene	2039-87-4	50	285	75	428	—	—	—
o-Chlorotoluene	95-49-8	50	250	—	—	—	—	—
2-Chloro-6-trichloromethyl pyridine (see Nitrapyrin)	1929-82-4	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Chlorpyrifos	2921-88-2	—	0.2	—	—	—	—	X

EMERGENCY

Chromic acid and chromates (as CrO3)	Varies w/compounds	—	((0.1))	—	—	—	((—)) 0.1	—
Chromium, sol, chromic, chromous salts (as Cr)	7440-47-3	—	0.5	—	—	—	—	—
Chromium (VI) compounds (as Cr)	—	—	0.05	—	—	—	—	—
Chromium Metal and insoluble salts	7440-47-3	—	0.5	—	—	—	—	—
Chromyl chloride	14977-61-8	0.025	0.15	—	—	—	—	—
Chrysene: (see Coal tar pitch volatiles)	—	—	—	—	—	—	—	—
Clopidol	2971-90-6	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Coal Dust (less than 5% SiO2) Respirable fraction	—	—	2.0	—	—	—	—	—
Coal dust (greater than or equal to 5% SiO2) Respirable fraction	—	—	0.1	—	—	—	—	—
Coal tar pitch volatiles (benzene soluble fraction anthracene, BaP, phenanthrene, acridine, chrysene, pyrene)	65996-93-2	—	0.2	—	—	—	—	—
Cobalt, metal fume & dust, (as Co)	7440-48-4	—	0.05	—	—	—	—	—
Cobalt carbonyl (as Co)	10210-68-1	—	0.1	—	—	—	—	—
Cobalt hydrocarbonyl (as Co)	16842-03-8	—	0.1	—	—	—	—	—
Coke oven emissions (see WAC 296-62-200)	—	—	—	—	—	—	—	—
Copper fume (as Cu)	7440-50-8	—	0.1	—	—	—	—	—
Dusts and mists (as Cu)	—	—	1.0	—	—	—	—	—
Cotton dust (raw) e/ Corundum, (see Aluminum oxide)	—	—	1.0	—	—	—	—	—
Crag herbicide (Sesone)	136-78-7	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Cresol (all isomers)	1319-77-3	5.0	22	—	—	—	—	X
Crotonaldehyde 4170-30-3	123-73-9;	2.0	6.0	—	—	—	—	—
Crufomate	299-86-5	—	5.0	—	—	—	—	—
Cumene	98-82-8	50	245	—	—	—	—	X
Cyanamide	420-04-2	—	2.0	—	—	—	—	—
Cyanide (as CN)	Varies with Compound	—	5.0	—	—	—	—	X
Cyanogen	460-19-5	10	20	—	—	—	—	—
Cyanogen chloride	506-77-4	—	—	—	—	0.3	0.6	—
Cyclohexane	110-82-7	300	1,050	—	—	—	—	—
Cyclohexanol	108-93-0	50	200	—	—	—	—	X
Cyclohexanone	108-94-1	25	100	—	—	—	—	X
Cyclohexene	110-83-8	300	1,015	—	—	—	—	—
Cyclohexylamine	108-91-8	10	40	—	—	—	—	—
Cyclonite (see RDX)	121-82-4	—	1.5	—	—	—	—	X
Cyclopentadiene	542-92-7	75	200	—	—	—	—	—
Cyclopentane	287-92-3	600	1,720	—	—	—	—	—
Cyhexatin	13121-70-5	—	5.0	—	—	—	—	—
2,4-D (Dichlorophenoxy- acetic acid)	94-75-7	—	10	—	—	—	—	—
DDT (Dichlorodiphenyltri- chloroethane)	50-29-3	—	1.0	—	—	—	—	X
DDVP, Dichlorvos	62-73-7	0.1	1.0	—	—	—	—	X

Decaborane	17702-41-9	0.05	0.3	0.15	0.9	—	—	X
Demeton	8065-48-3	0.01	0.1	—	—	—	—	X
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	123-42-2	50	240	—	—	—	—	—
1, 2-Diaminoethane (see Ethylenediamine)	—	—	—	—	—	—	—	—
Diazinon	333-41-5	—	0.1	—	—	—	—	X
Diazomethane	334-88-3	0.2	0.4	—	—	—	—	—
Diborane	19287-45-7	0.1	0.1	—	—	—	—	—
Dibrom, (see Naled)	—	—	—	—	—	—	—	—
1, 2-Dibromo-3-chloropropane (see WAC 296-62-07345)	96-12-8	—	—	—	—	—	—	—
2-N-Dibutylamino ethanol	102-81-8	2.0	14	—	—	—	—	X
Dibutyl phosphate	107-66-4	1.0	5.0	2.0	10	—	—	—
Dibutyl phthalate	84-74-2	—	5.0	—	—	—	—	—
Dichloroacetylene	7572-29-4	—	—	—	—	0.1	0.4	—
o-Dichlorobenzene	95-50-1	—	—	—	—	50	300	—
p-Dichlorobenzene	106-46-7	75	450	110	675	—	—	—
3, 3'-Dichlorobenzidine (see WAC 296-62-073)	91-94-1	—	—	—	—	—	—	—
Dichlorodifluoromethane	75-71-8	1,000	4,950	—	—	—	—	—
1, 3-Dichloro-5, 5-dimethyl hydantoin	118-52-5	—	0.2	—	0.4	—	—	—
1, 1-Dichloroethane	75-34-3	100	400	—	—	—	—	—
1, 2-Dichloroethane (see Ethylene dichloride)	—	—	—	—	—	—	—	—
1, 2-Dichloroethylene	540-59-0	200	790	—	—	—	—	—
1, 1-Dichloroethylene (see Vinylidene chloride)	—	—	—	—	—	—	—	—
Dichloroethyl ether	111-44-4	5.0	30	10	60	—	—	X
Dichlorofluoromethane	75-43-4	10	40	—	—	—	—	—
Dichloromethane (see Methylene chloride)	—	—	—	—	—	—	—	—
1, 1-Dichloro-1-nitroethane	594-72-9	2.0	10.	10.	—	—	—	—
1, 2-Dichloropropane (see Propylene dichloride)	—	—	—	—	—	—	—	—
Dichloropropene	542-75-6	1.0	5.0	—	—	—	—	X
2, 2-Dichloropropionic acid	75-99-0	1.0	6.0	—	—	—	—	—
Dichlorotetrafluoroethane	76-14-2	1,000	7,000	—	—	—	—	—
Dichlorvos (DDVP)	62-73-7	0.1	1.0	—	—	—	—	X
Dicrotophos	141-66-2	—	0.25	—	—	—	—	X
Dicyclopentadiene	77-73-6	5.0	30	—	—	—	—	—
Dicyclopentadienyl iron Total dust	102-54-5	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Dieldrin	60-57-1	—	0.25	—	—	—	—	X
Diethanolamine	111-42-2	3.0	15	—	—	—	—	—
Diethylamine	109-89-7	10	30	25	75	—	—	—
2-Diethylaminoethanol	100-37-8	10	50	—	—	—	—	X
Diethylene triamine	111-40-0	1.0	4.0	—	—	—	—	X
Diethyl ether (see Ethyl ether)	—	—	—	—	—	—	—	—
Diethyl ketone	96-22-0	200	705	—	—	—	—	—
Diethyl phthalate	84-66-2	—	5.0	—	—	—	—	—
Difluorodibromomethane	75-61-6	100	860	—	—	—	—	—
Diglycidyl ether (DGE)	2238-07-5	0.1	0.5	—	—	—	—	—
Dihydroxybenzene (see Hydroquinone)	—	—	—	—	—	—	—	—
Diisobutyl ketone	108-83-8	25	150	—	—	—	—	—
Diisopropylamine	108-18-9	5.0	20	—	—	—	—	X
Dimethoxymethane (see Methylal)	—	—	—	—	—	—	—	—
Dimethyl acetamide	127-19-5	10	35	—	—	—	—	X

Dimethylamine	124-40-3	10	18	—	—	—	—	—
4-Dimethylaminoazobenzene (see WAC 296-62-073)	60-11-7	—	—	—	—	—	—	—
Dimethylaminobenzene (see Xylidene)	—	—	—	—	—	—	—	—
Dimethylaniline (N, N-Dimethylaniline)	121-69-7	5.0	25	10	50	—	—	X
Dimethylbenzene (see Xylene)	—	—	—	—	—	—	—	—
Dimethyl-1, 2-dibromo-2, 2-dichloroethyl phosphate (see Naled)	300-76-5	—	3.0	—	—	—	—	X
Dimethylformamide	68-12-2	10	30	—	—	—	—	X
2, 6-Dimethylheptanone (see Diisobutyl ketone)	—	—	—	—	—	—	—	—
1, 1-Dimethylhydrazine	57-14-7	0.5	1.0	—	—	—	—	X
Dimethyl phthalate	131-11-3	—	5.0	—	—	—	—	—
Dimethyl sulfate	77-78-1	0.1	0.5	—	—	—	—	X
Dinitolmide	148-01-6	—	5.0	—	—	—	—	—
(3, 5-Dinitro-o-toluamide)	—	—	5.0	—	—	—	—	—
Dinitrobenzene (all isomers)	(alpha) 528-29-0; (meta) 99-65-0; (para) 100-25-4	0.15	1.0	—	—	—	—	X
Dinitro-o-cresol	534-52-1	—	0.2	—	—	—	—	X
Dinitrotoluene	25321-14-6	—	1.5	—	—	—	—	X
Dioxane (Diethylene dioxide)	123-91-1	25	90	—	—	—	—	X
Dioxathion	78-34-2	—	0.2	—	—	—	—	X
Diphenyl (Biphenyl)	92-52-4	0.2	1.0	—	—	—	—	—
Diphenylamine	122-39-4	—	10	—	—	—	—	—
Diphenylmethane diisocyanate (see Methylene bisphenyl isocyanate (MDI))	—	—	—	—	—	—	—	—
Dipropylene glycol methyl ether	34590-94-8	100	600	150	900	—	—	X
Dipropyl ketone	123-19-3	50	235	—	—	—	—	—
Diquat	85-00-7	—	0.5	—	—	—	—	—
Di-sec, Octyl phthalate (Di-2-ethylhexylphthalate)	117-81-7	—	5.0	—	10	—	—	—
Disulfram	97-77-8	—	2.0	—	—	—	—	—
Disulfoton	298-04-4	—	0.1	—	—	—	—	X
2, 6-Di-tert-butyl-p-cresol	128-37-0	—	10	—	—	—	—	—
Diuron	330-54-1	—	10	—	—	—	—	—
Divinyl benzene	1321-74-0	10	50	—	—	—	—	—
Emery	12415-34-8	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Endosulfan (Thiodan)	115-29-7	—	0.1	—	—	—	—	X
Endrin	72-20-8	—	0.1	—	—	—	—	X
Epichlorhydrin	106-89-8	2.0	8.0	—	—	—	—	X
EPN	2104-64-5	—	0.5	—	—	—	—	X
1, 2-Epoxypropane (see Propylene oxide)	—	—	—	—	—	—	—	—
2, 3-Epoxy-1-propanol (see Glycidol)	—	—	—	—	—	—	—	—
Ethane	—	Simple	Asphyxiant	—	—	—	—	—
Ethanethiol (see Ethyl mercaptan)	—	—	—	—	—	—	—	—
Ethanolamine	141-43-5	3.0	8.0	6.0	15	—	—	—
Ethion	563-12-2	—	0.4	—	—	—	—	X
2-Ethoxyethanol	110-80-5	5.0	19	—	—	—	—	X
2-Ethoxyethyl acetate (Cellosolve acetate)	111-15-9	5.0	27	—	—	—	—	X
Ethyl acetate	141-78-6	400	1,400	—	—	—	—	—

Ethyl acrylate	140-88-5	5.0	20	25	100	—	—	X
Ethyl alcohol (ethanol)	64-17-5	1,000	1,900	—	—	—	—	—
Ethylamine	75-04-07	10	18	—	—	—	—	—
Ethyl amyl ketone (5-Methyl-3-hepatone)	541-85-5	25	130	—	—	—	—	—
Ethyl benzene	100-41-4	100	435	125	545	—	—	—
Ethyl bromide	74-96-4	200	890	250	1,110	—	—	—
Ethyl butyl ketone (3-Heptanone)	106-35-4	50	230	—	—	—	—	—
Ethyl chloride	75-00-3	1,000	2,600	—	—	—	—	—
Ethylene	74-85-1	Simple	Asphyxiant	—	—	—	—	—
Ethylene chlorohydrin	107-07-3	—	—	—	—	1.0	3.0	X
Ethylenediamine	107-15-3	10	25	—	—	—	—	X
Ethylene dibromide	106-93-4	0.1	—	0.5	—	—	—	—
Ethylene dichloride	107-06-2	1.0	4.0	2.0	8.0	—	—	—
Ethylene glycol	107-21-1	—	—	—	—	50	125	—
Ethylene glycol dinitrate	628-96-6	—	—	—	0.1	—	—	X
Ethylene glycol monomethyl ether acetate (Methyl cellosolve acetate)	—	5.0	24	—	—	—	—	X
Ethyleneimine (see WAC 296-62-073)	151-56-4	—	—	—	—	—	—	X
Ethylene oxide (see WAC 296-62-07353)	75-21-8	1.0	2.0	—	—	—	—	—
Ethyl ether	60-29-7	400	1,200	500	1,500	—	—	—
Ethyl formate	109-94-4	100	300	—	—	—	—	—
Ethylidene chloride (see 1, 1-Dichloroethane)	—	—	—	—	—	—	—	—
Ethylidene norbornene	16219-75-3	—	—	—	—	5.0	25	—
Ethyl mercaptan	75-08-1	0.5	1.0	—	—	—	—	—
n-Ethylmorpholine	100-74-3	5.0	23	—	—	—	—	X
Ethyl sec-amyl ketone (5-methyl-3-heptanone)	—	25	130	—	—	—	—	—
Ethyl silicate	78-10-4	10	85	—	—	—	—	—
Fenamiphos	22224-92-6	—	0.1	—	—	—	—	X
Fensulfothion (Dasanit)	115-90-2	—	0.1	—	—	—	—	—
Fenthion	55-38-9	—	0.2	—	—	—	—	X
Ferbam	14484-64-1	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Ferrovandium dust	12604-58-9	—	1.0	—	3.0	—	—	—
Fluorides (as F)	Varies w/compound	—	2.5	—	—	—	—	—
Fluorine	7782-41-4	0.1	0.2	—	—	—	—	—
Fluorotrichloromethane (see Trichlorofluoro methane)	75-69-4	—	—	—	—	1,000	5,600	—
Fonofos	944-22-9	—	0.1	—	—	—	—	X
Formaldehyde (see WAC 296-62-07540)	50-00-0	0.75	—	2.0	—	—	—	—
Formamide	75-12-7	20	30	30	45	—	—	—
Formic acid	64-18-6	5.0	9.0	—	—	—	—	—
Furfural	98-01-1	2.0	8.0	—	—	—	—	X
Furfuryl alcohol	98-00-0	10	40	15	60	—	—	X
Gasoline	8006-61-9	300	900	500	1,500	—	—	—
Germanium tetrahydride	7782-65-2	0.2	0.6	—	—	—	—	—
Glass, fibrous or dust	—	—	10	—	—	—	—	—
Gluteraldehyde	111-30-8	—	—	—	—	0.2	0.8	—
Glycerin mist	56-81-5	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Glycidol (2, 3-Epoxy-1- propanol)	556-52-5	25	75	—	—	—	—	—

Glycol monoethyl ether (see 2-Ethoxyethanol)	—	—	—	—	—	—	—	—
Grain dust (oat, wheat, barley)	—	—	10	—	—	—	10	—
Graphite, natural	7782-42-5	—	—	—	—	—	—	—
Respirable dust	—	—	2.5	—	—	—	—	—
Graphite, Synthetic	—	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Guthion (see Azinphosmethyl)	—	—	—	—	—	—	—	—
Gypsum	13397-24-5	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Hafnium	7440-58-6	—	0.5	—	—	—	—	—
Helium	—	Simple	Asphyxiant	—	—	—	—	—
Heptachlor	76-44-8	—	0.5	—	—	—	—	X
Heptane (n-heptane)	142-82-5	400	1,600	500	2,000	—	—	—
2-Heptanone, (see Methyl n-amyl ketone)	—	—	—	—	—	—	—	—
3-Heptanone (see Ethyl butyl ketone)	—	—	—	—	—	—	—	—
Hexachlorobutadiene	87-68-3	0.02	0.24	—	—	—	—	X
Hexachlorocyclopentadiene	77-47-4	0.01	0.1	—	—	—	—	—
Hexachloroethane	67-72-1	1.0	10	—	—	—	—	X
Hexachloronaphthalene	1335-87-1	—	0.2	—	—	—	—	X
Hexafluoroacetone	684-16-2	0.1	0.7	—	—	—	—	X
Hexane	—	—	—	—	—	—	—	—
n-hexane	110-54-3	50	180	—	—	—	—	—
other Isomers	Varies	500	1,800	1,000	3,600	—	—	—
w/compound	—	—	—	—	—	—	—	—
2-Hexanone	591-78-6	5.0	20	—	—	—	—	—
(Methyl-n-butyl ketone)	—	—	—	—	—	—	—	—
Hexone	108-10-1	50	205	75	300	—	—	—
(Methyl isobutyl ketone)	—	—	—	—	—	—	—	—
sec-Hexyl acetate	108-84-9	50	300	—	—	—	—	—
Hexylene Glycol	107-41-5	—	—	—	—	25	125	—
Hydrazine	302-01-2	0.1	0.1	—	—	—	—	X
Hydrogen	—	Simple	Asphyxiant	—	—	—	—	—
Hydrogenated terphenyls	61788-32-7	0.5	5.0	—	—	—	—	—
Hydrogen bromide	10035-10-6	—	—	—	—	3.0	10	—
Hydrogen chloride	7647-01-0	—	—	—	—	5.0	7.0	—
Hydrogen cyanide	74-90-8	—	—	4.7	5.0	—	—	X
Hydrogen fluoride	7664-39-3	—	—	—	—	3.0	2.5	—
Hydrogen peroxide	7722-84-1	1.0	1.4	—	—	—	—	—
Hydrogen selenide (as Se)	7783-07-5	0.05	0.2	—	—	—	—	—
Hydrogen Sulfide	7783-06-4	10	14	15	21	—	—	—
Hydroquinone	123-31-9	—	2.0	—	—	—	—	—
4-Hydroxy-4-methyl-2-pentanone (see Diacetone alcohol)	—	—	—	—	—	—	—	—
2-Hydroxypropyl acrylate	999-61-1	0.5	3.0	—	—	—	—	X
Indene	95-13-6	10	45	—	—	—	—	—
Indium and compounds (as In)	7440-74-6	—	0.1	—	—	—	—	—
Iodine	7553-56-2	—	—	—	—	0.1	1.0	—
Iodoform	75-47-8	0.6	10	—	—	—	—	—
Iron oxide dust and fume (as Fe)	1309-37-1	—	—	—	—	—	—	—
Total particulate	—	—	5.0	—	—	—	—	—
Iron pentacarbonyl (as Fe)	13463-40-6	0.1	0.8	0.2	1.6	—	—	—
Iron salts, soluble (as Fe)	Varies	—	1.0	—	—	—	—	—
w/compound	—	—	—	—	—	—	—	—
Isoamyl acetate	123-92-2	100	525	—	—	—	—	—

Isoamyl alcohol (primary and secondary)	123-51-3	100	360	125	450	—	—	—
Isobutyl acetate	110-19-0	150	700	—	—	—	—	—
Isobutyl alcohol	78-83-1	50	150	—	—	—	—	—
Isooctyl alcohol	26952-21-6	50	270	—	—	—	—	X
Isophorone	78-59-1	4.0	23	—	—	5.0	25	—
Isophorone diisocyanate	4098-71-9	0.005	0.045	0.02	—	—	—	X
Isopropoxyethanol	109-59-1	25	105	—	—	—	—	—
Isopropyl acetate	108-21-4	250	950	310	1,185	—	—	—
Isopropyl alcohol	67-63-0	400	980	500	1,225	—	—	—
Isopropylamine	75-31-0	5.0	12	10	24	—	—	—
N-Isopropylaniline	768-52-5	2.0	10	—	—	—	—	X
Isopropyl ether	108-20-3	250	1,050	—	—	—	—	—
Isopropyl glycidyl ether (IGE)	4016-14-2	50	240	75	360	—	—	—
Kaolin								
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Ketene	463-51-4	0.5	0.9	1.5	3.0	—	—	—
Lead inorganic (as Pb) (see WAC 296-62-07521)	7439-92-1	—	0.05	—	—	—	—	—
Lead arsenate (see WAC 296-62-07347)	3687-31-8	—	0.05	—	—	—	—	—
Lead chromate	7758-97-6	—	0.05	—	—	—	—	—
Limestone	1317-65-3							
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Lindane	58-89-9	—	0.5	—	—	—	—	X
Lithium hydride	7580-67-8	—	0.025	—	—	—	—	—
L.P.G. (liquified petroleum gas)	68476-85-7	1,000	1,800	—	—	—	—	—
Magnesite	546-93-0							
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Magnesium oxide fume	1309-48-4	—	—	—	—	—	—	—
Total particulate	—	—	10	—	—	—	—	—
Malathion	121-75-5							
Total dust	—	—	10	—	—	—	—	X
Maleic anhydride	108-31-6	0.25	1.0	—	—	—	—	—
Manganese and compound (as Mn)	7439-96-5	—	—	—	—	—	5.0	—
Manganese tetroxide and fume (as Mn)	7439-96-5	—	1.0	—	3.0	—	—	—
Manganese cyclopentadienyl tricarbonyl (as Mn)	12079-65-1	—	0.1	—	—	—	—	X
Manganese tetroxide (as Mn)	1317-35-7	—	1.0	—	—	—	—	—
Marble	1317-65-3							
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Mercury (aryl and inorganic) (as Hg)	7439-97-6	—	((0.1))	—	—	—	((—))X	—
			0.1					
Mercury (organo-alkyl compounds) (as Hg)	7439-97-6	—	0.01	—	0.03	—	—	X
Mercury (vapor) (as Hg)	7439-97-6	—	0.05	—	—	—	—	X
Mesityl oxide	141-79-7	15	60	25	100	—	—	—
Methacrylic acid	79-41-4	20	70	—	—	—	—	X
Methane	—	Simple	Asphyxiant	—	—	—	—	—
Methanethiol (see Methyl mercaptan)	—	—	—	—	—	—	—	—
Methomyl (lannate)	16752-77-5	—	2.5	—	—	—	—	—
Methoxychlor	72-43-5							
Total dust	—	—	10	—	—	—	—	—

EMERGENCY

2-Methoxyethanol (Methyl cellosolve)	109-86-4	5.0	16	—	—	—	—	X
4-Methoxyphenol	150-76-5	—	5.0	—	—	—	—	—
Methyl acetate	79-20-9	200	610	250	760	—	—	—
Methyl acetylene (propyne)	74-99-7	1,000	1,650	—	—	—	—	—
Methyl acetylene-propadiene mixture (MAPP)	—	1,000	1,800	1,250	2,250	—	—	—
Methyl acrylate	96-33-3	10	35	—	—	—	—	X
Methylacrylonitrile	126-98-7	1.0	3.0	—	—	—	—	X
Methylal (Dimethoxy-methane)	109-87-5	1,000	3,100	—	—	—	—	—
Methyl alcohol (methanol)	67-56-1	200	260	250	325	—	—	X
Methylamine	74-89-5	10	12	—	—	—	—	—
Methyl amyl alcohol (see Methyl isobutyl carbinol)	—	—	—	—	—	—	—	—
Methyl n-amyl ketone (2-Heptanone)	110-43-0	50	235	—	—	—	—	—
N-Methyl aniline (see Monomethyl aniline)	—	—	—	—	—	—	—	—
Methyl bromide	74-83-9	5.0	20	—	—	—	—	X
Methyl butyl ketone (see 2-Hexanone)	—	—	—	—	—	—	—	—
Methyl cellosolve (see 2-Methoxyethanol)	109-86-4	5.0	16	—	—	—	—	X
Methyl cellosolve acetate (2-Methoxyethyl acetate)	110-49-6	5.0	24	—	—	—	—	X
Methyl chloride	74-87-3	50	105	100	210	—	—	—
Methyl chloroform (1, 1, 1-trichlorethane)	71-55-6	350	1,900	450	2,450	—	—	—
Methyl chloromethyl ether (see WAC 296-62-073)	107-30-2	—	—	—	—	—	—	—
Methyl 2-cyanoacrylate	137-05-3	2.0	8.0	4.0	16	—	—	—
Methylcyclohexane	108-87-2	400	1,600	—	—	—	—	—
Methylcyclohexanol	25639-42-3	50	235	—	—	—	—	—
Methylcyclohexanone	583-60-8	50	230	75	345	—	—	X
Methylcyclopentadienyl manganese tricarbonyl (as Mn)	12108-13-3	—	0.2	—	—	—	—	X
Methyl demeton	8022-00-2	—	0.5	—	—	—	—	X
Methylene bisphenyl isocyanate (MDI)	101-68-8	—	—	—	—	0.02	0.2	—
4, 4'-Methylene bis (2-chloroaniline (MBOCA)) (see WAC 296-62-073)	101-14-4	0.02	0.22	—	—	—	—	X
Methylene bis (4-cyclohexylisocyanate)	5124-30-1	—	—	—	—	0.01	0.11	—
Methylene chloride	75-09-2	100	—	500	—	—	—	—
4, 4-Methylene dianiline	101-77-9	0.1	0.8	—	—	—	—	X
Methyl ethyl ketone (MEK) (see 2-Butanone)	78-93-3	—	—	—	—	—	—	—
Methyl ethyl ketone peroxide (MEKP)	1338-23-4	—	—	—	—	0.2	1.5	—
Methyl formate	107-31-3	100	250	150	375	—	—	—
5-Methyl-3-heptanone (see Ethyl amyl ketone)	—	—	—	—	—	—	—	—
Methyl hydrazine (see Monomethyl hydrazine)	60-34-4	—	—	—	—	0.2	0.35	X
Methyl iodide	74-88-4	2.0	10	—	—	—	—	X
Methyl isoamyl ketone	110-12-3	50	240	—	—	—	—	—
Methyl isobutyl carbinol	108-11-2	25	100	40	165	—	—	X
Methyl isobutyl ketone (see Hexone)	—	—	—	—	—	—	—	—
Methyl isocyanate	624-83-9	0.02	0.05	—	—	—	—	X

Methyl isopropyl ketone	563-80-4	200	705	—	—	—	—	—
Methyl mercaptan	74-93-1	0.5	1.0	—	—	—	—	—
Methyl methacrylate	80-62-6	100	410	—	—	—	—	—
Methyl parathion	298-00-0	—	0.2	—	—	—	—	X
Methyl propyl ketone (see 2-Pentanone)	—	—	—	—	—	—	—	—
Methyl silicate	684-84-5	1.0	6.0	—	—	—	—	—
alpha-Methyl styrene	98-83-9	50	240	100	485	—	—	—
Mevinphos (see Phosdrin)	—	—	—	—	—	—	—	—
Metribuzin	21087-64-9	—	5.0	—	—	—	—	—
Mica (see Silicates)	—	—	—	—	—	—	—	—
Molybdenum (as Mo)	7439-98-7	—	—	—	—	—	—	—
Soluble compounds	—	—	5.0	—	—	—	—	—
Insoluble compounds	—	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Monocrotophos (Azodrin)	6923-22-4	—	0.25	—	—	—	—	—
Monomethyl aniline	100-61-8	0.5	2.0	—	—	—	—	X
Monomethyl hydrazine	—	—	—	—	—	0.2	0.35	—
Morpholine	110-91-8	20	70	30	105	—	—	X
Naled	300-76-5	—	3.0	—	—	—	—	X
Naphtha (Coal tar)	8030-30-6	100	400	—	—	—	—	X
Naphthalene	91-20-3	10	50	15	75	—	—	—
alpha-Naphthylamine (see WAC 296-62-073)	134-32-7	—	—	—	—	—	—	—
beta-Naphthylamine (see WAC 296-62-073)	91-59-8	—	—	—	—	—	—	—
Neon	7440-01-9	Simple	Asphyxiant	—	—	—	—	—
Nickel carbonyl (as Ni)	13463-39-3	0.001	0.007	—	—	—	—	—
Nickle, (as Ni)	7440-02-0	—	—	—	—	—	—	—
Metal and insoluble compounds	—	—	1.0	—	—	—	—	—
Soluble compounds	—	—	0.1	—	—	—	—	—
Nicotine	54-11-5	—	0.5	—	—	—	—	X
Nitrapyrin (see 2-Chloro-6 trichloromethyl pyridine)	1929-82-4	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Nitric acid	7697-37-2	2.0	5.0	4.0	10	—	—	—
Nitric oxide	10102-43-9	25	30	—	—	—	—	—
p-Nitroaniline	100-01-6	—	3.0	—	—	—	—	X
Nitrobenzene	98-95-3	1.0	5.0	—	—	—	—	X
4-Nitrobiphenyl (see WAC 296-62-073)	92-93-3	—	—	—	—	—	—	—
p-Nitrochlorobenzene	100-00-5	—	0.5	—	—	—	—	X
4-Nitrodiphenyl (see WAC 296-62-073)	—	—	—	—	—	—	—	—
Nitroethane	79-24-3	100	310	—	—	—	—	—
Nitrogen	7727-37-9	Simple	Asphyxiant	—	—	—	—	—
Nitrogen dioxide	10102-44-0	—	—	1.0	1.8	—	—	—
Nitrogen trifluoride	7783-54-2	10	29	—	—	—	—	—
Nitroglycerin	55-63-0	—	—	—	0.1	—	—	X
Nitromethane	75-52-5	100	250	—	—	—	—	—
1-Nitropropane	108-03-2	25	90	—	—	—	—	—
2-Nitropropane	79-46-9	10	35	—	—	—	—	—
N-Nitrosodimethylamine (see WAC 296-62-073)	62-75-9	—	—	—	—	—	—	—
Nitrotoluene:	—	—	—	—	—	—	—	—
o-isomer	88-72-2	2.0	11	—	—	—	—	X
m-isomer	98-08-2	2.0	11	—	—	—	—	X
p-isomer	99-99-0	2.0	11	—	—	—	—	X
Nitrotrichloromethane (see Chloropicrin)	—	—	—	—	—	—	—	—

EMERGENCY

Nitrous Oxide (Nitrogen oxide)	10024-97-2	50	90	—	—	—	—	—
Nonane	111-84-2	200	1,050	—	—	—	—	—
Octachloronaphthalene	2234-13-1	—	0.1	—	0.3	—	—	X
Octane	111-65-9	300	1,450	375	1,800	—	—	—
Oil mist, mineral (particulate)	8012-95-1	—	5.0	—	—	—	—	—
Osmium tetroxide (as Os)	20816-12-0	0.0002	0.002	0.0006	0.006	—	—	—
Oxalic acid	144-62-7	—	1.0	—	2.0	—	—	—
Oxygen difluoride	7783-41-7	—	—	—	—	0.05	0.1	—
Ozone	10028-15-6	0.1	0.2	0.3	0.6	—	—	—
Paraffin wax fume	8002-74-2	—	2.0	—	—	—	—	—
Paraquat (Respirable dust)	4685-14-7	—	0.1	—	—	—	—	X
	1910-42-5	—	—	—	—	—	—	—
	2074-50-2	—	—	—	—	—	—	—
Parathion	56-38-2	—	0.1	—	—	—	—	X
Particulate polycyclic aromatic hydrocarbons (see coal tar pitch volatiles)	—	—	—	—	—	—	—	—
Particulates not otherwise regulated (see WAC 296-62-07510)	—	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Pentaborane	19624-22-7	0.005	0.01	0.015	0.03	—	—	—
Pentachloronaphthalene	1321-64-8	—	0.5	—	—	—	—	X
Pentachlorophenol	87-86-5	—	0.5	—	—	—	—	X
Pentaerythritol	115-77-5	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Pentane	109-66-0	600	1,800	750	2,250	—	—	—
2-Pentanone (methyl propyl ketone)	107-87-9	200	700	250	875	—	—	—
Perchloroethylene (tetrachloroethylene)	127-18-4	25	170	—	—	—	—	—
Perchloromethyl mercaptan	594-42-3	0.1	0.8	—	—	—	—	—
Perchloryl fluoride	7616-94-6	3.0	14	6.0	28	—	—	—
Perlite	—	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Petroleum distillates (Naptha) (Rubber Solvent)	—	100	400	—	—	—	—	—
Phenol	108-95-2	5.0	19	—	—	—	—	X
Phenothiazine	92-84-2	—	5.0	—	—	—	—	X
p-Phenylene diamine	106-50-3	—	0.1	—	—	—	—	X
Phenyl ether (vapor)	101-84-8	1.0	7.0	—	—	—	—	—
Phenyl ether-diphenyl mixture (vapor)	—	1.0	7.0	—	—	—	—	—
Phenylethylene, (see Styrene)	—	—	—	—	—	—	—	—
Phenyl glycidyl ether (PGE)	122-60-1	1.0	6.0	—	—	—	—	—
Phenylhydrazine	100-63-0	5.0	20	10	45	—	—	X
Phenyl mercaptan	108-98-5	0.5	2.0	—	—	—	—	—
Phenylphosphine	638-21-1	—	—	—	—	0.05	0.25	—
Phorate	298-02-2	—	0.05	—	0.2	—	—	X
Phosdrin (Mevinphos)	7786-34-7	0.01	0.1	0.03	0.3	—	—	X
Phosgene (carbonyl chloride)	75-44-5	0.1	0.4	—	—	—	—	—
Phosphine	7803-51-2	0.3	0.4	1.0	1.0	—	—	—
Phosphoric acid	7664-38-2	—	1.0	—	3.0	—	—	—
Phosphorus (yellow)	7723-14-0	—	0.1	—	—	—	—	—
Phosphorous oxychloride	10025-87-3	0.1	0.6	—	—	—	—	—
Phosphorus pentachloride	10026-13-8	0.1	1.0	—	—	—	—	—
Phosphorus pentasulfide	1314-80-3	—	1.0	—	3.0	—	—	—
Phosphorus trichloride	7719-12-2	0.2	1.5	0.5	3.0	—	—	—

Phthalic anhydride	85-44-9	1.0	6.0	—	—	—	—	—
m-Phthalodinitrile	626-17-5	—	5.0	—	—	—	—	—
Picloram	1918-02-1	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Picric acid	88-89-1	—	0.1	—	—	—	—	X
Pindone (see Pival)	83-26-1	—	0.1	—	—	—	—	—
(2-Pivalyl-1, 3-indandione)	—	—	—	—	—	—	—	—
Piperazine dihydrochloride	142-64-3	—	5.0	—	—	—	—	—
Pival (see Pindone)	—	—	—	—	—	—	—	—
Plaster of Paris	26499-65-0	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Platinum (as Pt)	7440-06-4	—	—	—	—	—	—	—
Metal	—	—	1.0	—	—	—	—	—
Soluble salts	—	—	0.002	—	—	—	—	—
Polychlorobiphenyls (see Chlorodiphenyls)	—	—	—	—	—	—	—	—
Portland cement	65997-15-1	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Potassium hydroxide	1310-58-3	—	—	—	—	—	2.0	—
Propane	74-98-6	1,000	1,800	—	—	—	—	—
Propargyl alcohol	107-19-7	1.0	2.0	—	—	—	—	X
beta-Propiolactone (see WAC 296-62-073)	57-57-8	—	—	—	—	—	—	—
Propionic acid	79-09-4	10	30	—	—	—	—	—
Propoxur (Baygon)	114-26-1	—	0.5	—	—	—	—	—
n-Propyl acetate	109-60-4	200	840	250	1,050	—	—	—
n-Propyl alcohol	71-23-8	200	500	250	625	—	—	X
n-Propyl nitrate	627-13-4	25	105	40	170	—	—	—
Propylene	—	Simple	Asphyxiant	—	—	—	—	—
Propylene dichloride (1, 2-Dichloropropane)	78-87-5	75	350	110	510	—	—	—
Propylene glycol dinitrate	6423-43-4	0.05	0.3	—	—	—	—	X
Propylene glycol monomethyl ether	107-98-2	100	360	150	540	—	—	—
Propylene imine	75-55-8	2.0	5.0	—	—	—	—	X
Propylene oxide	75-56-9	20	50	—	—	—	—	—
Propyne, (see Methyl acetylene)	—	—	—	—	—	—	—	—
Pyrethrum	8003-34-7	—	5.0	—	—	—	—	—
Pyridine	110-86-1	5.0	15	—	—	—	—	—
Quinone	106-51-4	0.1	0.4	—	—	—	—	—
RDX (see Cyclonite)	—	—	1.5	—	—	—	—	X
Resorcinol	108-46-3	10	45	20	90	—	—	—
Rhodium (as Rh)	7440-16-6	—	—	—	—	—	—	—
Insoluble compounds, Metal fumes and dusts	—	—	0.1	—	—	—	—	—
Soluble compounds, salts	—	—	0.001	—	—	—	—	—
Ronnel	299-84-3	—	10	—	—	—	—	—
Rosin core solder, pyrolysis products (as formaldehyde)	—	—	0.1	—	—	—	—	—
Rotenone	83-79-4	—	5.0	—	—	—	—	—
Rouge	—	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Rubber solvent (naphtha)	8002-05-9	100	400	—	—	—	—	—
Selenium compounds (as Se)	7782-49-2	—	0.2	—	—	—	—	—
Selenium hexafluoride (as Se)	7783-79-1	0.05	0.2	—	—	—	—	—
Sesone (see Crag herbicide)	—	—	—	—	—	—	—	—
Silane (see Silicon)	—	—	—	—	—	—	—	—

EMERGENCY

tetrahydride)								
Silica, amorphous, precipitated and gel	112926-00-8	—	6.0	—	—	—	—	—
Silica, amorphous, diatomaceous earth, containing less than 1% crystalline silica	61790-53-2	—	6.0	—	—	—	—	—
Total dust	—	—	6.0	—	—	—	—	—
Respirable fraction	—	—	3.0	—	—	—	—	—
Silica, crystalline cristobalite, respirable dust	14464-46-1	—	0.05	—	—	—	—	—
Silica, crystalline quartz, respirable dust	14808-60-7	—	0.1 g/ h/	—	—	—	—	—
Silica, crystalline tripoli (as quartz), respirable dust	1317-95-9	—	0.1	—	—	—	—	—
Silica, crystalline tridymite, respirable dust	15468-32-3	—	0.05	—	—	—	—	—
Silica, fused, respirable dust	60676-86-0	—	0.1	—	—	—	—	—
Silicates (less than 1% crystalline silica:								
Mica (Respirable dust)	12001-26-2	—	3.0	—	—	—	—	—
Soapstone, Total dust	—	—	6.0	—	—	—	—	—
Soapstone, Respirable dust	—	—	3.0	—	—	—	—	—
Talc (containing asbestos): use asbestos limit (see WAC 296-62-07517)								
Talc (containing no asbestos), Respirable dust	14807-96-6	—	2.0	—	—	—	—	—
Tremolite (see WAC 296-62-07517)								
Silicon	7440-21-3							
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Silicon Carbide	409-21-2							
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Silicon tetrahydride	7803-62-5	5.0	7.0	—	—	—	—	—
Silver, metal dust and soluble compounds (as Ag)	7440-22-4	—	0.01	—	—	—	—	—
Soapstone (see Silicates)								
Sodium azide (as HN3)	26628-22-8	—	—	—	—	0.1	0.3	X
(as NaN3)	—	—	—	—	—	0.1	0.3	X
Sodium bisulfite	7631-90-5	—	5.0	—	—	—	—	—
Sodium-2, 4-dichlorophenoxyethyl sulfate (see Crag herbicide)								
Sodium fluoroacetate	62-74-8	—	0.05	—	0.15	—	—	X
Sodium hydroxide	1310-73-2	—	—	—	—	—	2.0	—
Sodium metabisulfite	7681-57-4	—	5.0	—	—	—	—	—
Starch	9005-25-8							
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Stibine	7803-52-3	0.1	0.5	—	—	—	—	—
Stoddard solvent	8052-41-3	100	525	—	—	—	—	—
Strychnine	57-24-9	—	0.15	—	—	—	—	—
Styrene	100-42-5	50	215	100	425	—	—	—
Subtilisins	9014-01-1	—	—	—	0.00006 (60 min.)j/	—	—	—

EMERGENCY

Sucrose	57-50-1	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Sulfotep (see TEDP)	—	—	—	—	—	—	—	X
Sulfur dioxide	7446-09-5	2.0	5.0	5.0	13	—	—	—
Sulfur hexafluoride	2551-62-4	1,000	6,000	—	—	—	—	—
Sulfuric acid	7664-93-9	—	1.0	—	—	—	—	—
Sulfur monochloride	10025-67-9	—	—	—	—	1.0	6.0	—
Sulfur pentafluoride	5714-22-1	—	—	—	—	0.01	0.1	—
Sulfur tetrafluoride	7783-60-0	—	—	—	—	0.1	0.4	—
Sulfuryl fluoride	2699-79-8	5.0	20	10	40	—	—	—
Sulprofos	35400-43-2	—	1.0	—	—	—	—	—
Systox (see Demeton)	—	—	—	—	—	—	—	—
2, 4, 5-T	93-76-5	—	10	—	—	—	—	—
Talc (see Silicates)	—	—	—	—	—	—	—	—
Tantalum	7440-25-7	—	5.0	—	—	—	—	—
Metal and oxide dusts	—	—	—	—	—	—	—	—
TEDP (Sulfotep)	3689-24-5	—	0.2	—	—	—	—	X
Tellurium and compounds (as Te)	13494-80-9	—	0.1	—	—	—	—	—
Tellurium hexafluoride (as Te)	7783-80-4	0.02	0.2	—	—	—	—	—
Temephos	3383-96-8	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
TEPP	107-49-3	0.004	0.05	—	—	—	—	X
Terphenyls	26140-60-3	—	—	—	—	0.5	5.0	—
1, 1, 1, 2-Tetrachloro-2, 2-difluoroethane	76-11-0	500	4,170	—	—	—	—	—
1, 1, 2, 2-Tetrachloro-1, 2-difluoroethane	76-12-0	500	4,170	—	—	—	—	—
1, 1, 2, 2-Tetrachloroethane	79-34-5	1.0	7.0	—	—	—	—	X
Tetrachloroethylene (see Perchloroethylene)	—	—	—	—	—	—	—	—
Tetrachloromethane (see Carbon tetrachloride)	—	—	—	—	—	—	—	—
Tetrachloronaphthalene	1335-88-2	—	2.0	—	—	—	—	X
Tetraethyl lead (as Pb)	78-00-2	—	0.075	—	—	—	—	X
Tetrahydrofuan	109-99-9	200	590	250	735	—	—	—
Tetramethyl lead (as Pb)	75-74-1	—	0.075	—	—	—	—	X
Tetramethyl succinonitrile	3333-52-6	0.5	3.0	—	—	—	—	X
Tetranitromethane	509-14-8	1.0	8.0	—	—	—	—	—
Tetrasodium pyrophosphate	7722-88-5	—	5.0	—	—	—	—	—
Tetryl (2, 4, 6-trinitrophenyl-methylnitramine)	479-45-8	—	1.5	—	—	—	—	X
Thallium (soluble compounds) (as Tl)	7440-28-0	—	0.1	—	—	—	—	X
4, 4-Thiobis (6-tert-butyl-m-cresol)	96-69-5	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Thioglycolic acid	68-11-1	1.0	4.0	—	—	—	—	X
Thionyl chloride	7719-09-7	—	—	—	—	1.0	5.0	—
Thiram (see WAC 296-62-07519)	137-26-8	—	5.0	—	—	—	—	—
Tin (as Sn)	7440-31-5	—	2.0	—	—	—	—	—
Inorganic compounds (except oxides)	—	—	—	—	—	—	—	—
Tin, Organic compounds (as Sn)	7440-31-5	—	0.1	—	—	—	—	X
Tin Oxide (as Sn)	21651-19-4	—	2.0	—	—	—	—	—
Titanium dioxide	13463-67-7	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Toulene	108-88-3	100	375	150	560	—	—	—
Toluene-2, 4-diisocyanate (TDI)	584-84-9	0.005	0.04	0.02	0.15	—	—	—

EMERGENCY

m-Toluidine	108-44-1	2.0	9.0	—	—	—	—	X
o-Toluidine	95-53-4	2.0	9.0	—	—	—	—	X
p-Toluidine	106-49-0	2.0	9.0	—	—	—	—	X
Toxaphene	—	—	—	—	—	—	—	—
(see Chlorinated camphene)								
Tremolite (see Silicates)	—	—	—	—	—	—	—	—
Tributyl phosphate	126-73-8	0.2	2.5	—	—	—	—	—
Trichloroacetic acid	76-03-9	1.0	7.0	—	—	—	—	—
1, 2, 4-Trichlorobenzene	120-82-1	—	—	—	—	5.0	40	—
1, 1, 1-Trichloroethane	—	—	—	—	—	—	—	—
(see Methyl chloroform)								
1, 1, 2-Trichloroethane	79-00-5	10	45	—	—	—	—	—
Trichloroethylene	79-01-6	50	270	200	1,080	—	—	—
Trichlorofluoromethane	75-69-4	—	—	—	—	1,000	5,600	—
Trichloromethane	—	—	—	—	—	—	—	—
(see Chloroform)								
Trichloronaphthalene	1321-65-9	—	5.0	—	—	—	—	X
1, 2, 3-Trichloropropane	96-18-4	10	60	—	—	—	—	X
1, 1, 2-Trichloro-1, 2, 2-trifluoroethane	76-13-1	1,000	7,600	1,250	9,500	—	—	—
Tricyclohexyltin hydroxide	—	—	—	—	—	—	—	—
(see Cyhexatin)								
Triethylamine	121-44-8	10	40	15	60	—	—	—
Trifluorobromomethane	75-63-8	1,000	6,100	—	—	—	—	—
Trimellitic anhydride	552-30-7	0.005	0.04	—	—	—	—	—
Trimethylamine	75-50-3	10	24	15	36	—	—	—
Trimethyl benzene	25551-13-7	25	125	—	—	—	—	—
Trimethyl phosphite	121-45-9	2.0	10	—	—	—	—	—
2, 4, 6-Trinitrophenol	—	—	—	—	—	—	—	—
(see Picric acid)								
2, 4, 6-Trinitrophenyl- methylnitramine	—	—	—	—	—	—	—	—
(see Tetryl)								
2, 4, 6-Trinitrotoluene (TNT)	118-96-7	—	0.5	—	—	—	—	X
Triorthocresyl phosphate	78-30-8	—	0.1	—	—	—	—	X
Triphenyl amine	603-34-9	—	5.0	—	—	—	—	—
Triphenyl phosphate	115-86-6	—	3.0	—	—	—	—	—
Tungsten (as W)	7440-33-7	—	—	—	—	—	—	—
Soluble compounds	—	—	1.0	—	3.0	—	—	—
Insoluble compounds	—	—	5.0	—	10	—	—	—
Turpentine	8006-64-2	100	560	—	—	—	—	—
Uranium (as U)	7440-61-1	—	—	—	—	—	—	—
Soluble compounds	—	—	0.05	—	—	—	—	—
Insoluble compounds	—	—	0.2	—	0.6	—	—	—
n-Valeraldehyde	110-62-3	50	175	—	—	—	—	—
Vanadium (as V2O5)	1314-62-1	—	0.05	—	—	—	—	—
Respirable dust and fume								
Vegetable oil mist	—	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Vinyl acetate	108-05-1	10	30	20	60	—	—	—
Vinyl benzene (see Styrene)	—	—	—	—	—	—	—	—
Vinyl bromide	593-60-2	5.0	20	—	—	—	—	—
Vinyl chloride	75-01-4	—	—	—	—	—	—	—
(see WAC 296-62-07329)								
Vinyl cyanide	—	—	—	—	—	—	—	—
(see Acrylonitrile)								
Vinyl cyclohexene dioxide	106-87-6	10	60	—	—	—	—	X
Vinyl toluene	25013-15-4	50	240	—	—	—	—	—
Vinylidene chloride	75-35-4	1.0	4.0	—	—	—	—	—
(1, 1-Dichloroethylene)								

EMERGENCY

VM & P Naphtha	8032-32-4	300	1,350	400	1,800	—	—	—
Warfarin	81-81-2	—	0.1	—	—	—	—	—
Welding fumes f/ (total particulate)	—	—	5.0	—	—	—	—	—
Wood dust:	—	—	—	—	—	—	—	—
Nonallergenic;	—	—	—	—	—	—	—	—
All soft woods and hard woods except allergenics	—	—	5.0	—	10	—	—	—
Allergenics; (e.g. cedar, mahogany and teak)	—	—	2.5	—	—	—	—	—
Xylenes(Xylol) (o-, m-, p-isomers)	1330-20-7	100	435	150	655	—	—	—
m-Xylene alpha, alpha-diamine	1477-55-0	—	—	—	—	—	0.1	X
Xylidine	1300-73-8	2.0	10	—	—	—	—	X
Yttrium	7440-65-5	—	1.0	—	—	—	—	—
Zinc chloride fume	7646-85-7	—	1.0	—	2.0	—	—	—
Zinc chromate (as CrO3)	Varies w/compound	—	0.05	—	—	—	0.1	—
Zinc oxide	1314-13-2	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Zinc oxide fume	1314-13-2	—	5.0	—	10	—	—	—
Zinc stearate	557-05-1	—	—	—	—	—	—	—
Total dust	—	—	10	—	—	—	—	—
Respirable fraction	—	—	5.0	—	—	—	—	—
Zirconium compounds (as Zr)	7440-67-2	—	5.0	—	10	—	—	—

- Notes: a/ Parts of vapor or gas per million parts of contaminated air by volume at 25°C and 760 mm. Hg. pressure (torr).
- b/ Milligrams of substance per cubic meter of air. When a numerical entry for a substance is in the mg/m³ column and not in the ppm column, then the number in the mg/m³ column is exact. When numerical entries for a substance are in both the ppm and mg/m³ columns, then the number in the ppm column is exact and the number in the mg/m³ column may be rounded off.
- c/ Duration is for 15 minutes, unless otherwise noted.
- d/ The final benzene standard in WAC 296-62-07523 applies to all occupational exposures to benzene except some sub-segments of industry where exposures are consistently under the action level (i.e., distribution and sale of fuels, sealed containers and pipelines, coke production, oil and gas drilling and production, natural gas processing, and the percentage exclusion for liquid mixtures).
- e/ This 8-hour TWA applies to respirable dust as measured by a vertical elutriator cotton dust sampler or equivalent instrument. The time-weighted average applies to the cotton waste processing operations of waste recycling (sorting, blending, cleaning, and willowing) and garretting. See also WAC 296-62-14533 for cotton dust limits applicable to other sectors.

- f/ As determined from breathing-zone air samples.
- g/ Total dust formula for Silica (as quartz) is:
30mg/m³
% SiO₂ + 3
- h/ Both concentration and percent quartz for the application of this limit are to be determined from the fraction passing a size-selector with the following characteristics:

Aerodynamic diameter (unit_density_sphere)	Percent_passing_selector
2	90
2.5	75
3.5	50
5.0	25
10	0

- Notes: i/ The CAS number is for information only. Enforcement is based on the substance name. For an entry covering more than one metal compound measured as the metal, the CAS number for the metal is given — not CAS numbers for the individual compounds.
- j/ Compliance with the subtilisins PEL is assessed by sampling with a high volume sampler (600-800 liters per minute) for at least 60 minutes.
- m/ Sampling for the carbon monoxide ceiling shall be averaged over 5 minutes but an instantaneous reading over 1500 ppm shall not be exceeded.

EMERGENCY

WSR 98-02-019
EMERGENCY RULES
DEPARTMENT OF
FISH AND WILDLIFE

[Order 97-242—Filed December 30, 1997, 2:30 p.m., effective January 1, 1998, 12:01 a.m.]

Date of Adoption: December 29, 1997.

Purpose: Commercial fishing regulations.

Citation of Existing Rules Affected by this Order: Repealing WAC 220-44-05000K; and amending WAC 220-44-050.

Statutory Authority for Adoption: RCW 75.08.080.

Under RCW 34.05.350 the agency for good cause finds that immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.

Reasons for this Finding: This regulation is necessary to achieve conservation goals and to maintain consistency between state and federal regulations and to achieve annual harvest guidelines. There is insufficient time to promulgate permanent rules.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 1, amended 0, repealed 1.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: January 1, 1998, 12:01 a.m.

December 29, 1997

Dirk Brazil
for Bern Shanks
Director

NEW SECTION

WAC 220-44-05000L Coastal bottomfish catch limits. Notwithstanding the provisions of WAC 220-44-050, effective 12:01 a.m. January 1, 1998 until further notice it is unlawful to possess, transport through the waters of the state or land in any Washington State port bottomfish taken from Marine Fish-Shellfish Management and Catch Reporting Areas 58B, 59A-1, 59A-2, 59B, 60A-1, 60A-2, 61, 62, or 63 in excess of the amounts or less than the minimum sizes shown below for the following species:

1. The following definitions apply to this section:

a. **Cumulative limit** - A cumulative limit is the maximum amount of fish that may be taken and retained, possessed or landed per vessel per calendar month, without a limit on the number of landings or trips. For B-platoon

vessels (see section 1.b.) A calendar month shall be the 16th of the month through the 15th of the following month. The cumulative limit includes all fish harvested by a vessel during the month, whether taken in limited entry or open access fisheries. Once a cumulative limit has been achieved, an operator may begin fishing on the next cumulative limit so long as the fish are not landed until after the beginning of the next cumulative limit.

b. **Two-month cumulative limit** is the maximum amount of fish that may be taken and retained, possessed or landed per vessel per two, fixed calendar months, without a limit on the number of landings or trips. The fixed two-month periods are January-February, March-April, except for vessels that have elected to be endorsed in the "B-platoon" on their trawl federal limited entry permit. Two-month cumulative limits for B-platoon vessels begin on the 16th of the calendar month. These periods are: January 16th-March 15. No more than sixty percent of any two-month cumulative limit may be taken and retained, possessed or landed per vessel in either calendar month of the fixed, two-month period, except for vessels in the B-platoon during the final period of the calendar year. The first calendar month for purposes of the 60 percent restriction for B-platoon vessels in other periods shall be defined as the period beginning on the 16th of the month in which the trip limit begins through the 15th of the following month. The second calendar month period shall be defined as beginning on the 16th of the second month in the period through the end of the cumulative period. The two-month cumulative limit includes all fish harvested by a vessel during the two-month period, whether taken in limited entry or open access fisheries. Once a two-month cumulative limit has been achieved, an operator may begin fishing on the next two-month cumulative limit so long as the fish are not landed until after the beginning of the next two-month cumulative period.

c. **Daily trip limit** - The maximum amount of fish that may be taken and retained, possessed or landed per vessel from a single fishing trip in 24 consecutive hours, starting at 0001 hours.

d. **Groundfish limited entry fishery** - Fishing activity by a trawl, setline or bottomfish pot equipped vessel that has received a federal limited entry permit issued by the National Marine Fisheries Service endorsed for the qualifying gear type.

e. **Groundfish open access fishery** - Fishing activity by a vessel equipped with setline or bottomfish pot gear that has not received a federal limited entry permit, or a vessel using gear other than trawl, setline or bottomfish pot gear.

f. **Vessel trip** - A vessel trip is defined as having occurred upon the initiation of transfer of catch from a fishing vessel.

g. **Vessel trip limit** - The amount of fish that may not be exceeded per vessel trip. All fish aboard a fishing vessel upon the initiation of transfer of catch are to be counted towards the vessel trip limit.

h. **Dressed length** - The dressed length of a fish is the distance from the anterior insertion of the first dorsal fin to the tip of the tail.

2. **Groundfish limited entry fishery limits.** The following limits apply to the groundfish limited entry fishery in Coastal Marine Fish-Shellfish Management and Catch

EMERGENCY

Reporting Areas 58B, 59A-1, 59A-2, 59B, 60A-1, 60A-2, 61, 62, and 63 (notwithstanding the provisions of WAC 220-44-030):

a. **Pacific ocean perch** - Two-month cumulative limit of 8,000 pounds. No minimum size.

b. **Widow rockfish** - Two-month cumulative limit of 25,000 pounds.

c. **Shortbelly rockfish** - No minimum size. No maximum poundage.

d. **Black rockfish** - The vessel trip limit for black rockfish for commercial fishing vessels using hook-and-line gear between the U.S. Canada border and Cape Alava (48°09'30" N. latitude) and between Destruction Island (47°40'00" N. latitude) and Leadbetter Point (46°38'10" N. latitude), is 100 pounds (round weight) or 30 percent by weight of all fish on board including salmon, whichever is greater, per vessel trip.

e. **Sebastes complex** - All species of rockfish except Pacific ocean perch, widow, shortbelly, and thornyhead (*Sebastes* spp.) Two-month cumulative limit of 40,000 pounds, of which no more than 11,000 pounds may be yellowtail rockfish and no more than 15,000 pounds may be canary rockfish.

f. **DTS Complex - (Dover sole, Thornyhead rockfish, and Sablefish)** - For the January-February two-month cumulative period, two-month cumulative limit of 59,000 pounds, of which not more than 40,000 pounds may be Dover sole; not more than 5,000 pounds may be sablefish for trawl vessels and not more than 1,500 pounds may be sablefish for non-trawl vessels; not more than 10,000 pounds may be longspine thornyhead rockfish, and not more than 4000 pounds may be shortspine thornyhead. Effective 12:01 am, March 1, two-month cumulative limit of 37,000 pounds, of which not more than 18,000 pounds may be Dover sole; not more than 5,000 pounds may be sablefish for trawl vessels and not more than 1,500 pounds may be sablefish for non-trawl vessels; not more than 10,000 pounds may be longspine thornyhead rockfish, and not more than 4000 pounds may be shortspine thornyhead.

g. **Sablefish** -

(1) **Trawl vessels** - Not more than 500 pounds (round weight) of sablefish per trip may be smaller than 22 inches. Sablefish total length of 22 inches is equivalent to dressed length of 15.5 inches. To convert sablefish from dressed weight to round weight, multiply the dressed weight by 1.6.

(2) **Non-trawl vessels** - Daily trip limit of 300 pounds (round weight) not to exceed 1,500 pounds in any fixed, two-month calendar period calendar month. The restriction of landing no more than 60% of the two-month cumulative allowance in a single calendar month does not apply. No minimum size.

h. **Pacific Whiting** - 10,000 pound vessel trip limit. No minimum size.

i. **Lingcod** - Two-month cumulative limit of 1,000 pounds. Total length minimum size limit of 24 inches. Lingcod total length of 24 inches is equivalent to dressed length of 19.5 inches. To convert lingcod from dressed weight to round weight, multiply the dressed weight by 1.5. To convert lingcod from dressed, head on (gutted only), weight, multiply the dressed weight by 1.1.

(1) It shall be lawful to land up to 100 pounds of lingcod under 24 inches taken in the trawl fishery only.

3. **Groundfish open access fishery limits.** The following limits apply to the groundfish open access fishery in Coastal Marine Fish-Shellfish Management and Catch Reporting Areas 58B, 59A1, 59A-2, 59B, 60A-1, 60A-2, 61, 62, and 63 (notwithstanding the provisions of WAC 220-44-030). Notwithstanding the provisions of this subsection, no groundfish open access fishery limit may exceed a groundfish limited entry fishery daily, vessel or cumulative limit or more than 50% of any 2-month cumulative limit:

(a) **Sablefish** - Daily trip limit of 300 pounds (round weight) not to exceed 600 pounds in any fixed, 2-month cumulative period. The restriction of landing no more than 60% of the two-month cumulative allowance in a single calendar month does not apply. No minimum size.

(b) **Rockfish** - Vessel trip limit of 10,000 pounds. Cumulative monthly limit of 40,000 pounds.

(c) **Black rockfish** - The vessel trip limit for black rockfish for commercial fishing vessels using hook-and-line gear between the U.S. Canada border and Cape Alava (48°09'30" N. latitude) and between Destruction Island (47°40'00" N. latitude) and Leadbetter Point (46°38'10" N. latitude), is 100 pounds (round weight) or 30 percent by weight of all fish on board including salmon, whichever is greater, per vessel trip.

(d) **Lingcod** - Two-month cumulative limit of 1,000 pounds. The restriction on landing no more than 60% of the two-month cumulative allowance in a single calendar month does not apply. Total length minimum size limit of 24 inches. Lingcod total length of 24 inches is equivalent to dressed length of 19.5 inches. To convert lingcod from dressed weight to round weight, multiply the dressed weight by 1.5. To convert lingcod from dressed, head on (gutted only), weight, multiply the dressed weight by 1.1.

(e) **Thornyhead rockfish** - Illegal to take, possess, transport or land thornyhead rockfish.

5. The fisher's copy of all fish receiving tickets showing landings of species provided for in this section shall be retained aboard the landing vessel for 90 days after landing.

Reviser's note: The spelling error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

Reviser's note: The typographical error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

REPEALER

The following section of the Washington Administrative Code is repealed effective 12:01 a.m. January 1, 1998:

WAC 220-44-05000K Coastal bottomfish catch limits.

WSR 98-02-020
EMERGENCY RULES
DEPARTMENT OF
FISH AND WILDLIFE

[Order 97-244—Filed December 30, 1997, 2:32 p.m., effective January 1, 1998, 12:01 a.m.]

Date of Adoption: December 29, 1997.

Purpose: Commercial fishing regulations.

Citation of Existing Rules Affected by this Order: Repealing WAC 220-33-01000Y and 220-33-04000E; and amending WAC 220-33-010 and 220-33-040.

Statutory Authority for Adoption: RCW 75.08.080.

Under RCW 34.05.350 the agency for good cause finds that immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.

Reasons for this Finding: Harvestable numbers of sturgeon are available. The harvestable allocation to the Lower Columbia River commercial smelt fishery is less than anticipated in the permanent rules, and conservation of the resource is needed to provide spawning escapements. These rules are consistent with the actions of the December 22, 1997, Columbia River Compact hearing. There is insufficient time to promulgate permanent rules.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 2, amended 0, repealed 2.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: January 1, 1998, 12:01 a.m.

December 29, 1997

Dirk Brazil
 for Bern Shanks
 Director

NEW SECTION

WAC 220-33-01000Y Columbia River seasons below Bonneville. Notwithstanding the provisions of WAC 220-33-010, 220-33-020, and 220-33-030, it is unlawful for a person to take or possess salmon, or sturgeon taken for commercial purposes from Columbia River Salmon Management and Catch Reporting Areas 1A, 1B, 1C, 1D, and 1E, except as provided in the following subsections:

FISHING PERIODS:

(1) Noon Monday, January 12th to 6:00 p.m. Tuesday, January 13, 1998.

(2) Noon Thursday, January 15th to 6:00 p.m. Friday, January 16, 1998.

(3) Noon Monday January 19th to 6:00 p.m. Tuesday January 20, 1998.

(4) Noon Thursday January 22nd to 6:00 p.m. Friday January 23, 1998.

(5) Noon Monday January 26th to 6:00 p.m. Tuesday January 27, 1998.

(6) Noon Thursday, January 29th to 6:00 p.m. Friday January 30, 1998.

(7) Noon Monday February 2nd to 6:00 p.m. Tuesday February 3, 1998.

(8) Noon Thursday February 5th to 6:00 p.m. Friday February 6, 1998.

(9) Noon Monday, February 9th to 6:00 p.m. Tuesday February 10, 1998.

(10) Noon Thursday, February 12th to 6:00 p.m. Friday February 13, 1998.

GEAR

(10) It is unlawful to fish for salmon, shad and sturgeon with gill net gear that:

(a) exceeds 1,500 feet in length along the corkline;

(b) is constructed of monofilament webbing;

(c) has webbing with a mesh size less than 9 inches or more than 9-3/4 inches.

(d) has lead or weight on the leadline that exceed two pounds in any one fathom, measurement to be taken along the corkline of the net.

(11)(a) It is unlawful to gaff sturgeon

(b) White sturgeon less than 48 inches or greater than 60 inches and green sturgeon less than 48 inches or greater than 66 inches may not be retained for commercial purposes and shall be returned immediately to the water. The length of a sturgeon is the shortest distance between the tip of the nose and the extreme tip of the tail measures while the fish is lying on its side on a flat surface with its tail in a normal position.

(c) Sturgeon must be delivered to wholesale dealers and fish buyers undressed (in the round).

(d) It is unlawful for a wholesale dealer or fish buyer to possess a sturgeon from which the head and/or tail have been removed if the remaining carcass is less than 28 inches in length. A carcass length of less than 28 inches is prima facie evidence that the total length of the whole sturgeon was less than 48 inches.

(e) It is unlawful to sell unprocessed eggs from lower Columbia sturgeon.

SANCTUARIES

(12) During the season provided for in this subsection 1 of this section, the following sanctuaries, as defined in WAC 220-33-005, are closed to fishing:

(a) Grays Bay

(b) Elokomin-A

(c) Cowlitz

(d) Kalama-A

(e) Lewis-A

(f) Washougal

(g) Sandy

Reviser's note: The typographical error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

REPEALER

The following section of the Washington Administrative Code is repealed effective 6:01 p.m. February 13, 1998:

WAC 220-33-01000Y Columbia River seasons below Bonneville.

NEW SECTION

WAC 220-33-04000E Smelt seasons—Lower Columbia River and tributaries. Notwithstanding the provisions of WAC 220-33-040, effective 12:01 a.m. January 1, 1998, until further notice it is unlawful to commercially fish for smelt in the Lower Columbia River as defined in WAC 220-16-400 except as provided for in this section:

(1) The mainstem of the Lower Columbia River is open only:

6:00 a.m. to 6:00 p.m. Mondays and Fridays from January 2 to February 13, 1998.

(2) The Lower Columbia River tributaries are open only:

6:00 a.m. Tuesdays to 6:00 p.m. Wednesdays January 6 to February 18, 1998.

(a) Gear: Dip net only

(4) Allowable sale: Smelt

(5) Except for the seasons provided for in this section, all other provisions of WAC 220-33-040 remain in effect.

Reviser's note: The typographical error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

REPEALER

The following section of the Washington Administrative Code is repealed effective 6:01 p.m. February 18, 1998:

WAC 220-33-04000E Smelt seasons—Lower Columbia River and tributaries.

**WSR 98-02-033
EMERGENCY RULES
DEPARTMENT OF
FISH AND WILDLIFE**

[Order 97-258—Filed December 31, 1997, 4:35 p.m.]

Date of Adoption: December 31, 1997.

Purpose: Amend commercial fishing rules.

Citation of Existing Rules Affected by this Order:
Amending WAC 220-48-005.

Statutory Authority for Adoption: RCW 75.08.080.

Under RCW 34.05.350 the agency for good cause finds that immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.

Reasons for this Finding: Pacific cod in Puget Sound are on a quota system for 1998. Retention of all cod and requiring dealers to show entire amount delivered will provide quota data necessary for management. The sablefish vessel trip and two-month cumulative limits conform to ocean catch restrictions for management of the sablefish stock in a consistent manner.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 1, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Immediately.

December 31, 1997

Ron Swatfigure

for Bern Shanks

Director

NEW SECTION

WAC 220-48-00500F Puget Sound bottomfish - General provisions. Notwithstanding the provisions of WAC 220-48-005, effective January 1, 1998, until further notice:

(1) It is unlawful to discard Pacific cod taken in any open Puget Sound Marine Fish-Shellfish Management and Catch Reporting Area, and all Pacific cod that are harvested must be delivered to a licensed wholesale dealer.

(3) It is unlawful to take more than 300 pounds of sablefish from the waters of Puget Sound in any vessel trip, and a vessel trip is defined as having occurred upon the initiation of transfer of catch from the harvesting vessel.

(4) It is unlawful for any harvesting vessel to take more than 600 pounds of sablefish during the periods January 1, 1998, through February 28, 1998, and March 1, 1998, through April 30, 1998.

Reviser's note: The typographical error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

**WSR 98-02-039
EMERGENCY RULES
DEPARTMENT OF
FISH AND WILDLIFE**

[Order 98-03—Filed January 2, 1998, 4:22 p.m.]

Date of Adoption: January 2, 1998.

Purpose: Commercial fishing regulations.

EMERGENCY

Citation of Existing Rules Affected by this Order: Repealing WAC 220-48-00500F; and amending WAC 220-48-005.

Statutory Authority for Adoption: RCW 75.08.080.

Under RCW 34.05.350 the agency for good cause finds that immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.

Reasons for this Finding: Pacific cod in Puget Sound are on a quota system for 1998. Retention of all cod requiring dealers to show entire amount delivered will provide quota data necessary for management. The sablefish vessel trip and two-month cumulative limits conform to ocean catch restrictions for management of the sablefish stock in a consistent manner. This rule is necessary for the conservation of depressed lingcod stocks in the Pacific Ocean and Catch Reporting Area 29. There is insufficient time to promulgate permanent rules.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 1, amended 0, repealed 1.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Immediately.

January 2, 1998

Elyse Kane
for Bern Shanks
Director

NEW SECTION

WAC 220-48-00500G Puget Sound bottomfish—General provisions. Notwithstanding the provisions of WAC 220-48-005, effective immediately until further notice:

(1) It is unlawful to discard Pacific cod taken in any open Puget Sound Marine Fish-Shellfish Management and Catch Reporting Areas, and all Pacific cod that are harvested must be delivered to a licensed wholesale dealer.

(2) It is unlawful to possess any lingcod less than 24 inches in length taken by any commercial gear in all state waters east of the Bonilla-Tatoosh line.

(3) It is unlawful to take more than 300 pounds of sablefish from the waters of Puget Sound in any vessel trip, and a vessel trip is defined as having occurred upon the initiation of transfer of catch from the harvesting vessel.

(4) It is unlawful for any harvesting vessel to take more than 600 pounds of sablefish during the periods January 1,

1998, through February 28, 1998, and March 1, 1998, through April 30, 1998.

WSR 98-02-040 EMERGENCY RULES DEPARTMENT OF FISH AND WILDLIFE

[Order 98-02—Filed January 2, 1998, 4:24 p.m., effective January 5, 1998, 12:01 a.m.]

Date of Adoption: January 2, 1998.

Purpose: Personal use rules.

Citation of Existing Rules Affected by this Order: Amending WAC 232-28-619 and 232-12-619.

Statutory Authority for Adoption: RCW 77.12.040.

Under RCW 34.05.350 the agency for good cause finds that immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.

Reasons for this Finding: Hatchery returns of steelhead are a predictor of wild returns. Hatchery returns reflect insufficient numbers of wild steelhead. Wild steelhead spawning populations are deemed to be at risk. There is insufficient time to promulgate permanent rules.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 2, amended 0, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: January 5, 1998, 12:01 a.m.

January 2, 1998

Elyse Kane
for Bern Shanks
Director

NEW SECTION

WAC 232-12-61900A Washington state-wide game fish regulations. Notwithstanding the provisions of WAC 232-12-619, effective 12:01 a.m. January 5, 1998, until further notice it is unlawful to retain wild steelhead caught in all state waters.

NEW SECTION

WAC 232-28-61900B Washington game fish seasons and catch limits—Exceptions to statewide rules. Notwithstanding the provisions of WAC 232-28-619, effective 12:01 a.m. January 5, 1998, until further notice it is unlawful to fish for or possess steelhead taken from the following waters:

(1) Green River - Closed from 500 feet below the hatchery trap at Palmer, upstream to the outlet of the upper rearing pond.

(2) Snoqualmie River - Closed from the Plumb access boat launch ramp to Snoqualmie Falls.

(3) Tokul Creek - Closed

(4) Skykomish River - Closed from 1,000 feet downstream from the Reiter Ponds outlet to 1,500 upstream of the Reiter Ponds outlet.

(5) Stillaguamish River, north fork - Closed from the mouth of French Creek upstream to Swede Heaven Bridge.

(6) Skagit River - Closed from the 530 Bridge at Rockport to the Cascade Road Bridge at Marblemount.

(7) Cascade River - Closed from the mouth to Cascade/Rockport Bridge.

(8) Bogachiel River - Closed from the mouth of the Calawah River to the WDFW boat launch immediately upstream of the outlet to the Bogachiel Hatchery.

(9) Naselle River - Closed from the Highway 4 Bridge to the Big Hill Bridge.

(10) Willapa River - Closed from the Highway 6 Bridge (approximately two miles downstream from the mouth of Trap Creek to Forks Creek.

Reviser's note: The typographical error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

**WSR 98-02-041
EMERGENCY RULES
DEPARTMENT OF
FISH AND WILDLIFE**

[Order 98-01—Filed January 2, 1998, 4:26 p.m.]

Date of Adoption: January 2, 1998.

Purpose: Commercial fishing regulations.

Citation of Existing Rules Affected by this Order:
Repealing WAC 220-52-07300V; and amending WAC 220-52-073.

Statutory Authority for Adoption: RCW 75.08.080.

Under RCW 34.05.350 the agency for good cause finds that immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.

Reasons for this Finding: Harvestable numbers of red and green sea urchins exist in the areas described. Prohibition of diving before scheduled sea urchin openings discourages the practice of fishing on closed days and hiding the unlawful catch underwater until the legal opening. There is insufficient time to promulgate permanent rules.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 0, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 1, amended 0, repealed 1.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Immediately.

January 2, 1998

Elyse Kane
for Bern Shanks
Director

NEW SECTION

WAC 220-52-07300W Sea urchins Notwithstanding the provisions of WAC 220-52-073, effective immediately until further notice it is unlawful to take or possess sea urchins taken for commercial purposes except as provided for in this section:

(1) Red sea urchins: Sea Urchin Districts 1, 2, and 4 are open only on January 4 and 5, 1998. It is unlawful to harvest red sea urchins larger than the following size (size in diameter exclusive of the spines):

(a) Districts 1 and 2 - 4.0 minimum to 5.5 maximum inches.

(b) District 4 - 3.25 minimum to 5.0 maximum inches.

(2) Green sea urchins: Sea Urchins Districts 1, 2, 3, 4, and Marine Fish/Shellfish Management and Catch Reporting Areas 24A, 24B, 24C, and 24D, are open only on January 4 and 5, 1998. The minimum size for green sea urchins is 2.25 inches in diameter exclusive of the spine.

(3) Sea Urchin Districts:

(a) Sea Urchin District 1 (Northern San Juan Islands) is defined as Marine Fish-Shellfish Management and Catch Reporting Areas 20A, 20B, and those waters of Area 22A north of a line projected east-west one-quarter mile north of Lime Kiln Light on San Juan Island and west of a line projected true north from Limestone Point on San Juan Island.

(b) Sea Urchin District 2 (Southern San Juans and Port Townsend) is defined as those waters of Marine Fish/Shellfish Management and Catch Reporting Area 22A south of a line projected east-west one-quarter mile north of Lime Kiln Light on San Juan Island and east of a line projected true north from Limestone Point on San Juan Island, and Areas 21A, 21B, 22B, 23A, 23B, 25A, and 25B. The following areas within Sea Urchin District 2 are closed to the harvest of sea urchins at all times.

(i) Those waters of Haro Strait north of a line projected east-west one-half mile south of Eagle Point on San Juan

Island and south of a line projected east-west one-quarter mile north of Lime Kiln Light on San Juan Island.

(ii) Those waters of San Juan Channel and Upright Channel within the following lines: north of a line from Cattle Point on San Juan Island to Davis Point on Lopez Island, south of a line projected from Flat Point on Lopez Island true west to Shaw Island, west of a line from Neck Point on Shaw Island to Steep Point on Orcas Island, and south of a line from Steep Point on Orcas Island to Limestone Point on San Juan Island.

(4) It is unlawful to dive for any purpose from a commercially-licensed fishing vessel, except vessels actively fishing geoducks under contract with the Washington Department of Natural Resources, on January 2 and 3, 1998.

Reviser's note: The spelling error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

REPEALER

The following section of the Washington Administrative Code is repealed:

WAC 220-52-07300V Sea urchin (97-257)

WSR 98-02-046
EMERGENCY RULES
DEPARTMENT OF REVENUE
[Filed January 5, 1998, 3:43 p.m.]

Date of Adoption: January 5, 1998.

Purpose: To implement SHB 1261 (chapter 238, Laws of 1997). This legislation authorizes the department to prepare a step-ranged tax credit table to be used by businesses when determining the amount of small business credit available to them. No taxpayer will pay any greater amount of tax when using this step-ranged table.

Citation of Existing Rules Affected by this Order: Amending WAC 458-20-104 Small business tax relief based on volume of business.

Statutory Authority for Adoption: RCW 82.32.300 and 82.04.4451.

Under RCW 34.05.350 the agency for good cause finds that immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.

Reasons for this Finding: To implement SHB 1261 (chapter 238, Laws of 1997). The purpose of this legislation is to provide taxpayers determining the amount of their small business B&O tax credit an alternative to the calculations necessary under the statutory formula. The complexity of the currently required computations has proven frustrating to the taxpayers, and has resulted in a high number of errors. The step-ranged table contained in the rule will be much simpler to use, and will reduce the number of errors currently being made. This rule is being adopted on an emergency basis until the rule can be permanently adopted.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, amended 0, repealed 0; Federal Rules or Standards: New 0, amended 0, repealed 0; or Recently Enacted State Statutes: New 0, amended 1, repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, amended 0, repealed 0.

Number of Sections Adopted on the Agency's own Initiative: New 0, amended 1, repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, amended 0, repealed 0.

Number of Sections Adopted using Negotiated Rule Making: New 0, amended 0, repealed 0; Pilot Rule Making: New 0, amended 0, repealed 0; or Other Alternative Rule Making: New 0, amended 0, repealed 0.

Effective Date of Rule: Immediately.

January 5, 1998
Russell W. Brubaker
Assistant Director

AMENDATORY SECTION (Amending WSR 97-08-050, filed 3/31/97, effective 5/1/97)

WAC 458-20-104 Small business tax relief based on volume of business. (1) **Introduction.** This section explains the small business B&O tax credit (RCW 82.04.4451), and the public utility tax income exemptions (RCW 82.16.040). Chapter 111, Laws of 1996, amended RCW 82.16.040 to increase the income exemptions for the public utility tax, effective July 1, 1996. RCW 82.04.4451 authorized the department of revenue to create a tax credit table to be used by all taxpayers when determining the amount of their small business B&O tax credit. This table is required to be prepared in such a manner that no taxpayer will owe a greater amount of tax than would be owed by performing the statutory calculations. This change was effective July 27, 1997. (See also WAC 458-20-101 on tax registration and tax reporting requirements.)

(2) **Business and occupation tax.** Persons subject to B&O tax may be eligible to claim a small business tax credit against the amount of B&O tax otherwise due. The B&O tax credit operates completely independent of the volume exemption which applies to the public utility tax. This tax credit should be computed after claiming any other B&O tax credits available under chapter 82.04 RCW, but prior to any B&O tax credits provided under other chapters of Title 82 RCW. ((The maximum amount of small business tax credit available to a person is thirty five dollars multiplied by the number of months in the reporting period assigned by the department of revenue under the provisions of RCW 82.32.045. The small business tax credit applies to the entire reporting period, even though the business may not have been operating during the entire period.)) Taxpayers who are eligible for the small business credit use a step-ranged tax credit table to find the amount of credit available to them. Subsection (6) of this section contains the tax credit tables for taxpayers with assigned reporting frequencies of either monthly, quarterly, or annual.

(a) ((If the amount of B&O tax from all activities engaged in by the taxpayer is equal to or less than the

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maximum credit, a small business tax credit equal to the amount of the B&O tax will be allowed. If the amount of B&O tax from all activities is greater than the maximum credit, a reduced credit may be available. This reduced credit will be equal to twice the maximum credit minus the B&O tax otherwise due. The credit cannot be less than zero. RCW 82.04.4451.

(b)) Persons having multiple tax reporting accounts are eligible for only one small business tax credit per tax reporting period.

((e)) (b) Spouses who operate distinct and separate businesses that have different tax registrations are each eligible for the small business tax credit.

(3) **Retail sales tax.** Persons making retail sales must collect and remit all applicable retail sales taxes even if B&O tax is not due. There is no small business tax credit or volume of business exemption for retail sales tax.

(4) **Public utility tax.** Persons subject to public utility tax are exempt from payment of this tax for any reporting period in which the taxable amount reported under the combined total of all public utility tax classifications does not equal or exceed the maximum exemption for the assigned reporting period. RCW 82.16.040. The maximum exemptions for public utility tax are:

Monthly reporting basis	.....	\$2,000 per month
Quarterly reporting basis	.....	\$6,000 per quarter
Annual reporting basis	.....	\$24,000 per annum

(a) If the taxable amount for a reporting period equals or exceeds the maximum exemption, tax must be remitted on the full taxable amount. The public utility tax maximum exemptions apply to the entire reporting period, even though the business may not have operated during the entire period. The public utility tax exemption is not affected by the amounts reported in other tax sections of the combined excise tax return (e.g., B&O).

(b) For example, assume that the ABC corporation registers and starts business activities on February 1st. A quarterly reporting frequency is assigned to ABC by the department of revenue. During the two months of the first quarter that ABC is actively in business, ABC's public utility tax gross is seven thousand dollars, but after deductions the total taxable is five thousand dollars. In this case, ABC does not owe any public utility tax because their taxable figure of five thousand dollars is less than the six thousand dollar threshold for quarterly taxpayers. The fact that ABC was in business during only two months out of the three months in the quarter has no effect on the threshold amount. However, if ABC had no deductions available, the corporation's taxable figure would be seven thousand dollars and public utility tax would be due on the full taxable amount.

(5) **Tax reporting frequencies.** Persons interested in knowing the thresholds used by the department when assigning tax reporting frequencies should refer to WAC 458-20-22801 (Tax reporting frequency—Forms).

(6) ((Examples. The following examples illustrate how the small business B&O tax credit and public utility income exemption systems apply to typical situations. These examples should be used only as a general guide. The tax status of other situations must be determined after a review of all of the facts and circumstances.

(a) JD Inc. has been assigned a quarterly reporting period by the department of revenue. JD Inc.'s B&O tax liability from all business activities for the third quarter is ninety dollars. This B&O tax liability is less than the one hundred five dollar maximum small business B&O tax credit available for a quarterly reporting period (three times the monthly credit amount of thirty five dollars). JD Inc. may claim a small business B&O tax credit for the entire ninety dollar B&O tax liability.

Maximum Credit available for quarterly filers (3 x \$35)	.....	\$105
B&O Tax	.....	\$ 90
<hr/>		
Credit Available	.....	\$ 90
Net B&O Tax Due	.....	0

(b) HM Corporation has been assigned a quarterly reporting period by the department of revenue. HM's B&O tax liability from all business activities for the fourth quarter is one hundred twenty dollars. This tax liability exceeds the one hundred five dollar maximum small business B&O tax credit available for a quarterly period (three times the monthly credit amount of thirty five dollars). However, a reduced small business tax credit is available. This credit is computed by subtracting HM's B&O tax liability of one hundred twenty dollars from the figure of two hundred ten dollars (twice the maximum credit available for a quarterly reporting period). HM Corporation may claim a small business tax credit of ninety dollars.

Twice the Maximum Credit available for quarterly filers (2 x \$105)	.....	\$210
Less: B&O Tax	.....	\$120
<hr/>		
Credit Available	.....	\$ 90
Net B&O Tax Due	.....	\$ 30

(c) XY Inc. has been assigned a quarterly reporting period by the department of revenue. XY's B&O tax liability for the first quarter is two hundred fifty dollars. As XY's B&O tax liability exceeds the two hundred ten dollar figure used to determine any reduced B&O tax credit (twice the maximum credit available for a quarterly reporting period), XY Inc. is not eligible for the small business B&O tax credit.

Twice the Maximum Credit available for quarterly filers (2 x \$105)	.....	\$210
Less: B&O Tax	.....	\$250
<hr/>		
Credit Available	.....	\$ 0
Net B&O Tax Due	.....	\$250

(d) BG Manufacturing has been assigned a quarterly reporting period. BG has incurred a ninety dollar tax liability under the wholesaling B&O tax classification, and a seventy dollar tax liability under the manufacturing B&O tax classification, for a total B&O tax liability of one hundred sixty dollars during the first quarter. As BG manufactures much of what it sells at wholesale, BG qualifies for an internal multiple activities tax credit (MATC) of sixty dollars. (See WAC 458-20-19301 on multiple activities tax credits.) BG Manufacturing would claim its

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MATC prior to computing its small business B&O tax credit. BG's B&O tax liability net of the MATC is one hundred dollars, which is less than the one hundred five-dollar maximum credit available for the reporting period. BG may claim a one hundred dollar small business B&O tax credit.

Wholesaling B&O Tax	\$ 90
Add: Manufacturing B&O Tax	\$ 70
<hr/>	
Subtotal of B&O Tax	\$160
Less: MATC	\$ 60
<hr/>	
Total B&O Tax Liability	\$100
<hr/>	
Maximum Credit available for quarterly filers (3 x \$35)	\$105
B&O Tax	\$100
<hr/>	
Credit Available	\$100
Net B&O Tax Due	0

(e) OK Inc. has two separate tax reporting accounts with the department, both of which have been assigned quarterly reporting periods. OK Inc. is only allowed one small business B&O tax credit for the activity of both accounts. The total B&O tax for both accounts for this quarter is one hundred fifty dollars (one hundred dollars from the first account and fifty dollars from the second account). Its maximum small business tax credit is sixty dollars.

B&O tax account #1	\$100
B&O tax account #2	\$ 50
<hr/>	
Total B&O tax	\$150

Twice the Maximum Credit available for quarterly filers (2 x \$105)	\$210
Less: B&O tax	(\$150)
<hr/>	
Credit Available	\$ 60
Net B&O Tax Due	\$ 90

The credit should be taken from the account that will allow for it to be deducted in full. If one account does not have enough B&O tax to absorb the full credit, it can be applied on the other account until the full credit is used. If the reporting frequency is different between the two accounts, the small business tax credit should not be taken until the filing of the less frequent tax reporting account (the credit computation for the two accounts must cover the same period of time).

(f) BB Corporation has been assigned a quarterly reporting period by the department of revenue. BB's total taxable public utility income for the third quarter is five thousand eight hundred dollars. BB Corporation is exempt for the payment of public utility tax because BB's taxable public utility income does not exceed the six thousand dollar maximum exemption for this reporting period.)) Tax credit tables. As authorized in RCW 82.04.4451, the department of revenue has prepared tax credit tables for all taxpayers to use when taking the small business B&O tax credit. Taxpayers must use the tax credit table to determine the correct amount of small business credit available to them. The monthly, quarterly and annual reporting frequencies each have their own table to refer to. Taxpayers must be careful to use the table that matches their assigned reporting frequency.

(a) Small business credit table for MONTHLY reporting frequency:

<u>If Your Total Business and Occupation Tax is:</u>		<u>Your Small Business Credit is:</u>
<u>At Least</u>	<u>But Less Than</u>	
\$0	\$36	<u>The Amount of Business and Occupation Tax Due</u>
\$36	\$41	\$35
\$41	\$46	\$30
\$46	\$51	\$25
\$51	\$56	\$20
\$56	\$61	\$15
\$61	\$66	\$10
\$66	\$71	\$5
\$71	or more	\$0

(b) Small business credit table for **QUARTERLY** reporting frequency:

<u>If Your Total Business and Occupation Tax is:</u>		<u>Your Small Business Credit is:</u>	<u>If Your Total Business and Occupation Tax is:</u>		<u>Your Small Business Credit is:</u>
<u>At Least</u>	<u>But Less Than</u>		<u>At Least</u>	<u>But Less Than</u>	
<u>\$0</u>	<u>\$106</u>	<u>The Amount of Business and Occupation Tax Due</u>	<u>\$161</u>	<u>\$166</u>	<u>\$50</u>
<u>\$106</u>	<u>\$111</u>	<u>\$105</u>	<u>\$166</u>	<u>\$171</u>	<u>\$45</u>
<u>\$111</u>	<u>\$116</u>	<u>\$100</u>	<u>\$171</u>	<u>\$176</u>	<u>\$40</u>
<u>\$116</u>	<u>\$121</u>	<u>\$95</u>	<u>\$176</u>	<u>\$181</u>	<u>\$35</u>
<u>\$121</u>	<u>\$126</u>	<u>\$90</u>	<u>\$181</u>	<u>\$186</u>	<u>\$30</u>
<u>\$126</u>	<u>\$131</u>	<u>\$85</u>	<u>\$186</u>	<u>\$191</u>	<u>\$25</u>
<u>\$131</u>	<u>\$136</u>	<u>\$80</u>	<u>\$191</u>	<u>\$196</u>	<u>\$20</u>
<u>\$136</u>	<u>\$141</u>	<u>\$75</u>	<u>\$196</u>	<u>\$201</u>	<u>\$15</u>
<u>\$141</u>	<u>\$146</u>	<u>\$70</u>	<u>\$201</u>	<u>\$206</u>	<u>\$10</u>
<u>\$146</u>	<u>\$151</u>	<u>\$65</u>	<u>\$206</u>	<u>\$211</u>	<u>\$5</u>
<u>\$151</u>	<u>\$156</u>	<u>\$60</u>	<u>\$211</u>	<u>or more</u>	<u>\$0</u>
<u>\$156</u>	<u>\$161</u>	<u>\$55</u>			

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(c) Small business credit table for ANNUAL reporting frequency:

If Your Total Business and Occupation Tax is:		Your Small Business Credit is:	If Your Total Business and Occupation Tax is:		Your Small Business Credit is:
At Least	But Less Than		At Least	But Less Than	
\$0	\$421	The Amount of Business and Occupation Tax Due	\$631	\$636	\$210
\$421	\$426	\$420	\$636	\$641	\$205
\$426	\$431	\$415	\$641	\$646	\$200
\$431	\$436	\$410	\$646	\$651	\$195
\$436	\$441	\$405	\$651	\$656	\$190
\$441	\$446	\$400	\$656	\$661	\$185
\$446	\$451	\$395	\$661	\$666	\$180
\$451	\$456	\$390	\$666	\$671	\$175
\$456	\$461	\$385	\$671	\$676	\$170
\$461	\$466	\$380	\$676	\$681	\$165
\$466	\$471	\$375	\$681	\$686	\$160
\$471	\$476	\$370	\$686	\$691	\$155
\$476	\$481	\$365	\$691	\$696	\$150
\$481	\$486	\$360	\$696	\$701	\$145
\$486	\$491	\$355	\$701	\$706	\$140
\$491	\$496	\$350	\$706	\$711	\$135
\$496	\$501	\$345	\$711	\$716	\$130
\$501	\$506	\$340	\$716	\$721	\$125
\$506	\$511	\$335	\$721	\$726	\$120
\$511	\$516	\$330	\$726	\$731	\$115
\$516	\$521	\$325	\$731	\$736	\$110
\$521	\$526	\$320	\$736	\$741	\$105
\$526	\$531	\$315	\$741	\$746	\$100
\$531	\$536	\$310	\$746	\$751	\$95
\$536	\$541	\$305	\$751	\$756	\$90
\$541	\$546	\$300	\$756	\$761	\$85
\$546	\$551	\$295	\$761	\$766	\$80
\$551	\$556	\$290	\$766	\$771	\$75
\$556	\$561	\$285	\$771	\$776	\$70
\$561	\$566	\$280	\$776	\$781	\$65
\$566	\$571	\$275	\$781	\$786	\$60
\$571	\$576	\$270	\$786	\$791	\$55
\$576	\$581	\$265	\$791	\$796	\$50
\$581	\$586	\$260	\$796	\$801	\$45
\$586	\$591	\$255	\$801	\$806	\$40
\$591	\$596	\$250	\$806	\$811	\$35
\$596	\$601	\$245	\$811	\$816	\$30
\$601	\$606	\$240	\$816	\$821	\$25
\$606	\$611	\$235	\$821	\$826	\$20
\$611	\$616	\$230	\$826	\$831	\$15
\$616	\$621	\$225	\$831	\$836	\$10
\$621	\$626	\$220	\$836	\$841	\$5
\$626	\$631	\$215	\$841	or more	\$0

(7) Using the table to find your small business credit.

The following steps explain how to use the tax table:

(a) Determine the total tax figure for the B&O tax classification from the combined excise tax return. This figure will normally be the total of the tax amounts calculat-

ed for each classification in the B&O section of the combined excise tax return. However, if additional B&O credits will be taken on the return, refer to subsection (8) of this section and the multiple B&O tax credit worksheet before going to step (b).

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(b) Find the small business tax credit table which matches the assigned reporting frequency (i.e., the monthly table shown in subsection (6)(a) of this section, the quarterly table in (6)(b) of this section, or the annual table in (6)(c) of this section).

(c) Find the "If Your Total Business and Occupation Tax is" column of the credit table and come down the column until you find the range of figures which includes the total B&O tax due figure obtained from the combined excise tax return or multiple B&O tax credit worksheet.

(d) Read across to the "Your Small Business Credit is" column. The figure shown is the amount of the small business tax credit that can be applied back to the credit lines on the combined excise tax return.

(e) For example, assume that DEF Company has been assigned an annual reporting frequency. At the end of the year DEF has retailing B&O tax due in the amount of five hundred thirty dollars. DEF goes to the small business tax credit table for annual reporting and finds the "If Your Total Business and Occupation Tax is" column. Following down

that column, the taxpayer finds a tax range of five hundred twenty-six to five hundred thirty-one dollars and comes over to the "Your Small Business Credit is" column which shows that a credit in the amount of three hundred fifteen dollars is available. This credit amount should be entered on the appropriate lines of DEF's combined excise tax return before calculating the total tax due for that return.

(8) **Multiple business and occupation tax credits and the small business credit.** The B&O tax credits available in chapter 82.04 RCW (i.e., Multiple Activities Tax Credit, High Technology credit and Ride Share credit) should be taken before the small business credit is applied. The B&O tax credits available in other chapters of Title 82 RCW should be taken only after the small business credit is calculated. Application of the small business credit may never result in a B&O tax liability less than -0-. The following multiple B&O tax credit worksheet can be used by taxpayers to ensure that credits are applied in the necessary order.

MULTIPLE B&O TAX CREDIT WORKSHEET		
1. Determine the total Business and Occupation (B&O) tax due from the B&O section of your Combined Excise Tax Return.	\$	
2. Add together the credit amounts taken for:		
Multiple Activities Tax Credit (From Schedule C)	\$	
High Technology Credit	+ \$	
Ride Share Credit for B&O Tax	+ \$	
Total (Enter 0 if none of these credits are being taken.)> \$	
3. Subtract line 2 from line 1. This is the total B&O tax allowable for the Small Business Credit.	\$	
4. Find the tax credit table which matches the reporting frequency assigned to the account, then find the total B&O tax due amount which include your figure from item 3, above.		
5. Read across to the next column. This is the amount of the Small Business Credit to be used on the Combined Excise Tax Return.	\$	

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For example, GHI Manufacturing and Distributing has been assigned a quarterly reporting frequency. During one quarter, GHI owes ninety dollars in wholesaling B&O tax, plus another seventy dollars in manufacturing B&O tax, for a total B&O tax due of one hundred sixty dollars. GHI qualifies for a multiple activities tax credit (MATC) and completes schedule C which identifies a MATC of seventy dollars. The multiple B&O tax credit worksheet shows that the MATC is one of the credits which should be subtracted from the B&O tax due amount before referring to the small business tax credit table. Using the worksheet, line one for GHI is the one hundred sixty dollars of total B&O tax due. Line two is the total of B&O credits available, in this case the MATC, and equals seventy dollars. Line three directs that the seventy dollars of B&O credits should be subtracted from the original one hundred sixty dollars of B&O taxes due which leaves ninety dollars of B&O taxes potentially available for application of the small business credit. The quarterly table for the small business credit shows that at the ninety dollar level a quarterly reporter receives an equal amount of credit and as a result owes no B&O tax liability.



OFFICE OF THE CODE REVISER
Quarterly Rule Making Report
Covering Registers 97-19 through 97-24

Type of Activity	New	Amended	Repealed
AGRICULTURE, DEPARTMENT OF			
Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	25	11	3
Number of Rules Proposed for Permanent Adoption	35	37	5
Number of Rules Withdrawn	0	1	0
Number of Sections Adopted at Request of a Nongovernmental Entity	16	3	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	16	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	1	0
Number of Sections Adopted in Order to Reform Agency Procedures	7	6	3
Number of Sections Adopted on the Agency's own Initiative	10	9	3
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	20	2	0
Number of Sections Adopted using Pilot Rule Making	0	0	0
ATTORNEY GENERAL'S OFFICE			
Type of Activity	New	Amended	Repealed
Number of Rules Proposed for Permanent Adoption	0	9	0
BATES TECHNICAL COLLEGE			
Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	3	0	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	0	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0
BELLEVUE COMMUNITY COLLEGE			
Type of Activity	New	Amended	Repealed
Number of Rules Adopted as Emergency Rules	0	1	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	1	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	1	0
Number of Sections Adopted on the Agency's own Initiative	0	1	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	1	0
Number of Sections Adopted using Pilot Rule Making	0	0	0
CLARK COLLEGE			
Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	13	19	0
Number of Rules Proposed for Permanent Adoption	4	19	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	2	3	0
Number of Sections Adopted in Order to Reform Agency Procedures	13	19	0
Number of Sections Adopted on the Agency's own Initiative	2	16	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0

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Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

COMMUNITY AND TECHNICAL COLLEGES, STATE BOARD FOR

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	2	0	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	2	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	2	0	0
Number of Sections Adopted on the Agency's own Initiative	2	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	2	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

COMMUNITY COLLEGES OF SPOKANE

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	3	0
Number of Rules Proposed for Permanent Adoption	0	3	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	1	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	1	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	0	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

COMMUNITY, TRADE AND ECONOMIC DEVELOPMENT, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	5	10
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	1	5
Number of Sections Adopted on the Agency's own Initiative	0	1	10
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

CORRECTIONS, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	11	2	3
Number of Rules Adopted as Emergency Rules	4	0	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	0	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

COUNTY ROAD ADMINISTRATION BOARD

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	11	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0

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Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	0	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

ECOLOGY, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	5	9	12
Number of Rules Adopted as Emergency Rules	10	1	0
Number of Rules Proposed for Permanent Adoption	86	32	46
Number of Sections Adopted at Request of a Nongovernmental Entity	0	2	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	8	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	13	34	0
Number of Sections Adopted in Order to Reform Agency Procedures	8	36	12
Number of Sections Adopted on the Agency's own Initiative	6	9	12
Number of Sections Adopted using Negotiated Rule Making	8	29	0
Number of Sections Adopted using Other Alternative Rule Making	6	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

EDUCATION, STATE BOARD OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	3	0
Number of Rules Proposed for Permanent Adoption	1	27	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	2	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	2	0
Number of Sections Adopted on the Agency's own Initiative	0	2	0
Number of Sections Adopted using Negotiated Rule Making	0	1	0
Number of Sections Adopted using Other Alternative Rule Making	0	2	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

EMPLOYMENT SECURITY DEPARTMENT

Type of Activity	New	Amended	Repealed
Number of Rules Proposed for Permanent Adoption	5	10	4
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	0	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

ENVIRONMENTAL HEARINGS OFFICE

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	6	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	3	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	3	0
Number of Sections Adopted on the Agency's own Initiative	0	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	6	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

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EVERETT COMMUNITY COLLEGE

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	2	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	2	0
Number of Sections Adopted on the Agency's own Initiative	0	2	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	2	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

EXECUTIVE ETHICS BOARD

Type of Activity	New	Amended	Repealed
Number of Rules Proposed for Permanent Adoption	2	1	0

FAMILY AND CHILDREN'S OMBUDSMAN, OFFICE OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	6	0	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	6	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	6	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

FINANCIAL INSTITUTIONS, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	4	0	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	4	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

FISH AND WILDLIFE, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	1	4	0
Number of Rules Adopted as Emergency Rules	73	0	62
Number of Rules Proposed for Permanent Adoption	31	86	7
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	57	5	47
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

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FOREST PRACTICES BOARD

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	29	0
Number of Rules Adopted as Emergency Rules	0	2	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	2	0
Number of Sections Adopted on the Agency's own Initiative	0	29	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

GAMBLING COMMISSION

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	10	12	4
Number of Rules Proposed for Permanent Adoption	1	11	1
Number of Rules Withdrawn	0	1	1
Number of Sections Adopted at Request of a Nongovernmental Entity	1	5	1
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	1	2	1
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	4	17	3
Number of Sections Adopted using Negotiated Rule Making	5	12	2
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	1	0	0

GENERAL ADMINISTRATION, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Rules Proposed for Permanent Adoption	10	0	0

GROWTH MANAGEMENT HEARINGS BOARDS

Type of Activity	New	Amended	Repealed
Number of Rules Proposed for Permanent Adoption	10	25	6

HEALTH CARE AUTHORITY

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	1	21	19
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	1	21	18
Number of Sections Adopted on the Agency's own Initiative	0	21	17
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

HEALTH, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	8	2	166
Number of Rules Proposed for Permanent Adoption	8	32	4
Number of Rules Withdrawn	2	0	1
Number of Sections Adopted at Request of a Nongovernmental Entity	1	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	6	0	2
Number of Sections Adopted in Order to Reform Agency Procedures	1	0	157

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Number of Sections Adopted on the Agency's own Initiative	7	1	3
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	2	1	33
Number of Sections Adopted using Pilot Rule Making	0	0	0

HORSE RACING COMMISSION

Type of Activity	New	Amended	Repealed
Number of Rules Proposed for Permanent Adoption	22	1	49

HOUSING FINANCE COMMISSION

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	1	0	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	1	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

INSURANCE COMMISSIONER'S OFFICE

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	1	2	0
Number of Rules Proposed for Permanent Adoption	38	9	26
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	1	2	0
Number of Sections Adopted on the Agency's own Initiative	1	2	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

LABOR AND INDUSTRIES, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	59	70	60
Number of Rules Proposed for Permanent Adoption	130	42	281
Number of Sections Adopted at Request of a Nongovernmental Entity	0	12	3
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	33	1
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	4	10	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	12	5
Number of Sections Adopted on the Agency's own Initiative	56	25	56
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	57	43	57
Number of Sections Adopted using Pilot Rule Making	0	0	0

LICENSING, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	4	7	1
Number of Rules Adopted as Emergency Rules	9	0	1
Number of Rules Proposed for Permanent Adoption	13	12	4
Number of Rules Withdrawn	1	0	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	3	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	10	0	1
Number of Sections Adopted in Order to Reform Agency Procedures	9	0	1
Number of Sections Adopted on the Agency's own Initiative	1	13	1

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Number of Sections Adopted using Negotiated Rule Making	1	0	0
Number of Sections Adopted using Other Alternative Rule Making	9	7	1
Number of Sections Adopted using Pilot Rule Making	0	0	0

LOTTERY COMMISSION

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	12	4	203
Number of Rules Adopted as Emergency Rules	1	0	0
Number of Rules Proposed for Permanent Adoption	12	2	0
Number of Rules Withdrawn	0	1	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	11	5	60
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

MILITARY DEPARTMENT

Type of Activity	New	Amended	Repealed
Number of Rules Proposed for Permanent Adoption	0	14	3

MINORITY AND WOMEN'S BUSINESS ENTERPRISES, OFFICE OF

Type of Activity	New	Amended	Repealed
Number of Rules Proposed for Permanent Adoption	0	1	0

PARKS AND RECREATION COMMISSION

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	5	0
Number of Rules Proposed for Permanent Adoption	2	24	27
Number of Sections Adopted at Request of a Nongovernmental Entity	0	1	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	1	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	5	0
Number of Sections Adopted on the Agency's own Initiative	0	4	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	5	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

PERSONNEL RESOURCES BOARD/PERSONNEL, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	9	0
Number of Rules Proposed for Permanent Adoption	2	13	0
Number of Rules Withdrawn	2	11	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	5	0
Number of Sections Adopted on the Agency's own Initiative	0	5	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	5	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

PILOTAGE COMMISSIONERS, BOARD OF

Type of Activity	New	Amended	Repealed
Number of Rules Adopted as Emergency Rules	0	1	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	1	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0

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Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	0	1	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	1	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

POLLUTION LIABILITY INSURANCE AGENCY

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	6	0	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	6	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	6	0	0
Number of Sections Adopted on the Agency's own Initiative	6	0	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	6	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

PUBLIC DISCLOSURE COMMISSION

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	1	2	0
Number of Rules Proposed for Permanent Adoption	1	4	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	1	2	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

PUBLIC INSTRUCTION, SUPERINTENDENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	4	53	42
Number of Rules Proposed for Permanent Adoption	25	29	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	35	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	2	0
Number of Sections Adopted in Order to Reform Agency Procedures	3	15	1
Number of Sections Adopted on the Agency's own Initiative	0	0	0
Number of Sections Adopted using Negotiated Rule Making	3	52	1
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

RETIREMENT SYSTEMS, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Rules Proposed for Permanent Adoption	3	0	0

REVENUE, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	0	11
Number of Rules Adopted as Emergency Rules	0	1	0
Number of Rules Proposed for Permanent Adoption	0	2	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	1	0

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Number of Sections Adopted in Order to Reform Agency Procedures	0	0	0
Number of Sections Adopted on the Agency's own Initiative	0	1	11
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

SECRETARY OF STATE, OFFICE OF THE

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	53	138	32
Number of Rules Adopted as Emergency Rules	8	9	1
Number of Rules Proposed for Permanent Adoption	41	0	0
Number of Rules Withdrawn	0	2	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	37	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	20	79	33
Number of Sections Adopted on the Agency's own Initiative	57	79	33
Number of Sections Adopted using Negotiated Rule Making	20	78	33
Number of Sections Adopted using Other Alternative Rule Making	37	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

SOCIAL AND HEALTH SERVICES, DEPARTMENT OF

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	50	22	68
Number of Rules Adopted as Emergency Rules	13	15	6
Number of Rules Proposed for Permanent Adoption	4	18	142
Number of Rules Withdrawn	14	5	2
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	2	4	3
Number of Sections Adopted in Order to Comply with Federal Statute	4	11	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	58	35	60
Number of Sections Adopted in Order to Reform Agency Procedures	17	17	17
Number of Sections Adopted on the Agency's own Initiative	5	17	0
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	1	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

UNIVERSITY OF WASHINGTON

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	16	1
Number of Rules Proposed for Permanent Adoption	0	10	0
Number of Sections Adopted at Request of a Nongovernmental Entity	0	2	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	0	10	0
Number of Sections Adopted on the Agency's own Initiative	0	15	1
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	15	1
Number of Sections Adopted using Pilot Rule Making	0	0	0

UTILITIES AND TRANSPORTATION COMMISSION

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	1	1	0
Number of Rules Adopted as Emergency Rules	1	2	0
Number of Rules Proposed for Permanent Adoption	1	18	28

WASHINGTON STATE PATROL

Type of Activity	New	Amended	Repealed
Number of Rules Proposed for Permanent Adoption	0	13	5

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WASHINGTON STATE UNIVERSITY

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	0	1	5
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	1
Number of Sections Adopted in Order to Reform Agency Procedures	0	1	1
Number of Sections Adopted on the Agency's own Initiative	0	1	1
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

YAKIMA VALLEY COMMUNITY COLLEGE

Type of Activity	New	Amended	Repealed
Number of Permanent Rules Adopted	1	24	2
Number of Sections Adopted at Request of a Nongovernmental Entity	0	0	0
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	0	0	0
Number of Sections Adopted in Order to Comply with Federal Statute	0	0	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	0	0	0
Number of Sections Adopted in Order to Reform Agency Procedures	1	24	2
Number of Sections Adopted on the Agency's own Initiative	1	24	2
Number of Sections Adopted using Negotiated Rule Making	0	0	0
Number of Sections Adopted using Other Alternative Rule Making	0	0	0
Number of Sections Adopted using Pilot Rule Making	0	0	0

Type of Activity	New	Amended	Repealed
TOTALS FOR THE QUARTER:			
Number of Permanent Rules Adopted	282	493	642
Number of Rules Adopted as Emergency Rules	119	32	70
Number of Rules Proposed for Permanent Adoption	487	504	638
Number of Rules Withdrawn	19	21	4
Number of Sections Adopted at Request of a Nongovernmental Entity	18	28	4
Number of Sections Adopted in Order to Comply with Federal Rules or Standards	2	46	4
Number of Sections Adopted in Order to Comply with Federal Statute	23	46	0
Number of Sections Adopted in Order to Comply with Recently Enacted State Statutes	145	94	65
Number of Sections Adopted in Order to Reform Agency Procedures	89	263	255
Number of Sections Adopted on the Agency's own Initiative	238	307	260
Number of Sections Adopted using Negotiated Rule Making	37	172	36
Number of Sections Adopted using Other Alternative Rule Making	139	91	92
Number of Sections Adopted using Pilot Rule Making	1	0	0

WSR 98-02-005

RULES COORDINATOR

EMPLOYMENT SECURITY DEPARTMENT

[Filed December 24, 1997, 2:20 p.m.]

In accordance with RCW 34.05.310, the Employment Security Department has designated Barney Hilliard to serve as the agency rules coordinator and hearings officer, effective January 2, 1997 [1998]. He can be contacted at the ESD Contracts Office, 605 Woodland Square Loop S.E., P.O. Box 9046, Olympia, WA 98507-9046, phone (360) 438-4011.

Teresa M. Morris, Director
Office of Management Review

WSR 98-02-007

**NOTICE OF PUBLIC MEETINGS
DEPARTMENT OF HEALTH**

(Examining Board of Psychology)

[Memorandum—December 23, 1997]

This is an update to the memo sent earlier this month. Please note changes in location and dates. The Examining Board of Psychology has set their open public meeting dates for 1998. They are as follows:

January 9-10, 1998	Oral exams - no meeting scheduled
February 13, 1998	Olympia 1101 South Eastside Street Department of Health
March 13, 1998	Sea-Tac
April 17-18, 1998	Wyndam Gardens Hotel Olympia 1101 South Eastside Street Department of Health

MISC.

May 8, 1998 Olympia
1101 South Eastside Street
Department of Health

June 12, 1998 Sea-Tac
Wyndam Gardens Hotel

July 10-11, 1998 Oral exams
Olympia
1101 South Eastside Street
Department of Health

August 1998 No meeting scheduled

September 11, 1998 Olympia
1101 South Eastside Street
Department of Health

October 9, 1998 Sea-Tac
Wyndam Gardens Hotel

November 13, 1998 Olympia
1101 South Eastside Street
Department of Health

December 11, 1998 Olympia
1101 South Eastside Street
Department of Health

November 10 12:30 p.m. Pierce College at
(Tuesday) Ft. Steilacoom

December 9 12:30 p.m. Pierce College at
Ft. Steilacoom

Please Note: Special meetings may be called at any time by the chairperson or a majority vote of the board. All special meetings will be publicly advertised at least twenty-four hours prior to being convened, and are open to the public. A lunch and study session will take place at 11:30 a.m. prior to each board meeting.

If you have questions, please call (360) 753-3095.

WSR 98-02-008
NOTICE OF PUBLIC MEETINGS
PIERCE COLLEGE

[Memorandum—December 22, 1997]

COMMUNITY COLLEGE DISTRICT NUMBER ELEVEN
PIERCE COLLEGE BOARD OF TRUSTEES
1998 REGULAR MEETING SCHEDULE

The board of trustees of Community College District Number Eleven will hold their regular meetings on the second Wednesday of each month. These meetings will be open to the public and advertise accordingly (RCW 42.30.075). The president shall file, with the code reviser, a schedule of the time and place of such meetings on or before January of each year for publication in the Washington State Register.

MONTH	TIME	LOCATION
January 14	12:30 p.m.	Pierce College at Ft. Steilacoom
February 11	12:30 p.m.	Pierce College at Puyallup
March 11	12:30 p.m.	Pierce College at Ft. Steilacoom
April 8	12:30 p.m.	Pierce College at McChord Air Base
May 13	12:30 p.m.	Pierce College at Puyallup
June 10	12:30 p.m.	Pierce College at Ft. Steilacoom
July 8	12:30 p.m.	Pierce College at Puyallup
(No meeting is scheduled for August)		
September 9	12:30 p.m.	Pierce College at Ft. Steilacoom
October 14	12:30 p.m.	Pierce College at Puyallup

WSR 98-02-009
NOTICE OF PUBLIC MEETINGS
GREEN RIVER
COMMUNITY COLLEGE

[Memorandum—December 24, 1997]

GREEN RIVER COMMUNITY COLLEGE
COMMUNITY COLLEGE DISTRICT NO. 10

RESOLUTION NO. 97-98/1
RESOLUTION SETTING SCHEDULE
OF REGULAR MEETINGS - 1998

WHEREAS, the legislature enacted a requirement (section 12, chapter 240, Laws of 1997 1st ex. sess., 2SSB 3067) in the Washington State Register Act of 1977, that state agencies holding regular meetings file with the Code Reviser "a schedule of the time and place of such meetings on or before January 1st of each year for publication in the Washington State Register," and

WHEREAS, the board of trustees of Green River Community College will meet the third Thursday of each month as follows:

- January 15
- February 19
- March 19
- April 23
- May 21
- June 18
- July 16
- August 20
- September 17
- October 15
- November 19
- December 17

NOW THEREFORE BE IT RESOLVED, that the board of trustees of Community College District No. 10 does hereby set the regular meeting dates for the board of trustees on the third Thursday of each month, commencing at 4:00 p.m., in the Board Room of the Administration Building, Green River Community College, 12401 S.E. 320th Street, Auburn, WA 98002. Notice of any change from such meeting schedule shall be published in the state register for distribution at least twenty days prior to the rescheduled meeting date.

ADOPTED this 18th day of December, 1997.

MISC.

WSR 98-02-022
NOTICE OF PUBLIC MEETINGS
COUNTY ROAD
ADMINISTRATION BOARD
 [Memorandum—December 30, 1997]

County Road Administration Board
 January 22-23, 1998
 CRAB Office, Olympia

Thursday, January 22, 1998, 1:00 p.m.

Friday, January 23, 1998, 8:00 a.m.

WSR 98-02-024
INTERPRETIVE STATEMENT
DEPARTMENT OF REVENUE
 [Filed December 31, 1997, 10:00 a.m.]

REPEAL OF INTERPRETIVE STATEMENTS

This announcement of the repeal of these advisory interpretive statements is being published in the Washington State Register pursuant to the requirements of RCW 34.05.-230(12).

The Department of Revenue has repealed the following Excise Tax Bulletins (ETBs) effective December 31, 1997:

ETB 399.04.137 (Charges for out-of-state installation services) Issued: July 3, 1970. This information is currently provided in other WACs adopted by the department, primarily WAC 458-20-136 Manufacturing, processing for hire, fabricating. It is an ancillary document to WAC 458-20-137 Articles manufactured and installed, which the department has repealed using the expedited process under RCW 34.05.354.

ETB 390.08.145 (Businesses operating within local sales tax jurisdiction using outside facilities) Issued: June 19, 1970. This information is currently provided in WAC 458-20-145 Local sales and use tax.

ETB 45.16.179 (Load factor charges and the public utility tax) Issued: July 8, 1966.

ETB 102.16.179 (Water distribution and the retirement of water revenue bonds) Issued: July 29, 1966.

ETB 104.16.179 (Lease of a water system remains taxable as a public utility) Issued: July 29, 1966.

ETB 176.16.179 (Water distribution business and public utility tax) Issued: August 26, 1966.

The information provided in these documents is currently provided in WAC 458-20-179 Public utility tax.

ETB 272.08.195 (Federal excise tax on tires) Issued: September 30, 1966.

ETB 273.08.195 (Federal cabaret and city admissions taxes) Issued: September 30, 1966.

ETB 274.08.195 (City tax on fuel oil distributors) Issued: September 30, 1966.

ETB 438.04.08.195 (Ten percent import surcharge) Issued: September 7, 1971.

The information provided by these documents is currently provided in WAC 458-20-195 Taxes, deductibility.

ETB 113.04.202 (Requirements for pool purchase exemption) Issued: August 5, 1966. This information is currently provided in WAC 458-20-202 Pool purchases.

ETB 191.04.195 (Buyer's remedies for seller's separate inclusion of business and occupation tax in selling price) Issued: August 26, 1966. The information provided by this ETB is incorrect.

ETB 534.04.16.250.179 (Taxability of refuse collection and related refuse services—retroactivity) Issued: September 3, 1986. The information provided by this ETB is no longer needed because it does not apply to any time-period within the statute of limitations.

Questions regarding the repeal of these bulletins may be directed to Alan R. Lynn, Legislation and Policy, P.O. Box 47467, Olympia, WA 98504-7467, phone (360) 586-9040, FAX (360) 664-0693, Internet alanl@dor.wa.gov.

Claire Hesselholt
 Policy Counsel

WSR 98-02-025
NOTICE OF PUBLIC MEETINGS
WASHINGTON STATE PATROL
 (Fire Protection Policy Board)
 [Memorandum—December 31, 1997]

FIRE PROTECTION POLICY BOARD

1998
MEETING SCHEDULE

January 15, 1998	10 a.m.	General Administration Building, Olympia
March 26, 1998 (Fire Service '98 Conference)	2 p.m.	WestCoast Wenatchee Convention Center
May 21, 1998	10 a.m.	General Administration Building, Olympia
July 16, 1998	10 a.m.	General Administration Building, Olympia
September 25, 1998 (Fire Marshal Roundtable)	9 a.m.	DoubleTree Hotel Pasco
November 19, 1998	10 a.m.	General Administration Building, Olympia

For information regarding Fire Protection Policy Board meetings, please contact Linda Frederickson, Washington State Patrol, Fire Protection Bureau, at (360) 753-0411.

WSR 98-02-026
RULES COORDINATOR
INSURANCE COMMISSIONER'S OFFICE
 [Filed December 31, 1997, 10:08 a.m.]

As of December 31, 1997, and until further notice, please show Kacy Brandeberry as rules coordinator of the Insurance Commissioner's Office.

Kacy's phone number is (360) 407-0729, FAX (360) 407-0351, e-mail kacyb@oic.wa.gov, mailing address is P.O. Box 40256, Olympia, WA 98504-0256.

Melodie Bankers
Senior Assistant
Deputy Commissioner

January 21-24, 1998* Association of Community College Trustees National Legislative Seminar: Sheraton Washington Hotel, 2660 Woodley Road N.W., Washington DC, 8:30 a.m. Business: Legislative topics related to college issues.

January 29, 1998*Echelbarger/Sherman Award Reception: EdCC, Culinary Connections, Brier Hall, Room 105, 20122 68th Avenue West, Lynnwood, WA, 4:30 p.m. Business: E/S award ceremony.

*This event is being scheduled as a special meeting, which is a study session where no action will be taken.

WSR 98-02-031
NOTICE OF PUBLIC MEETINGS
BOARD OF ACCOUNTANCY
[Memorandum—December 24, 1997]

1998 BOARD MEETING SCHEDULE

Please publish in the State Register as required by RCW 42.30.075 the following schedule of regular meetings the board plans to hold during 1998:

Date	Day	Meeting	Location
January 29 and 30, 1998	Thursday and Friday	Public rules hearing and regular	Seattle
February 27, 1998	Friday	Regular	Seattle
April 24, 1998	Friday	Regular	Seattle
June 26, 1998	Friday	Regular	Seattle
July 31, 1998	Friday	Regular	Seattle
August 28, 1998	Friday	Regular	Seattle
October 30, 1998	Friday	Regular	Seattle
November 20, 1998	Friday	Regular	Seattle
December 18, 1998	Friday	Regular	Seattle

The exact location of each meeting has not been determined. For persons who wish to attend, please contact Cheryl Sexton at the board office, (360) 664-9194 or FAX (360) 664-9190, for the meeting location. Meetings usually begin at 9:00 a.m. The Board of Accountancy schedules all public meetings at barrier free sites. Persons who need special assistance, such as enlarged type materials, please contact Cheryl Sexton at the board office, TDD (800) 833-6384, voice (360) 664-9194, or FAX (360) 664-9190.

WSR 98-02-034
NOTICE OF PUBLIC MEETINGS
EDMONDS COMMUNITY COLLEGE
[Memorandum—December 31, 1997]

EDMONDS COMMUNITY COLLEGE
BOARD OF TRUSTEES
NOTICE OF SPECIAL MEETINGS
TO MEDIA/OTHER

January 5, 1998* Associated Students of Edmonds Community College VIP Social: EdCC, Triton Union Building, Room 202, 20200 68th Avenue West, Lynnwood, WA, 4:00 p.m. Business: New student welcome.

January 15, 1998 Edmonds Community College Board of Trustees Regular Session: EdCC, Snohomish Hall, Room 304A, 20226 68th Avenue West, Lynnwood, WA, 4:00 p.m. Business: Monthly trustee issues (agenda upon request).

WSR 98-02-035
NOTICE OF PUBLIC MEETINGS
WASHINGTON ECONOMIC
DEVELOPMENT FINANCE AUTHORITY
[Memorandum—December 30, 1997]

The Washington Economic Development Finance Authority (WEDFA) is an independent agency (#106) within the executive branch of the state government. The authority has four regular board meetings each year, one per quarter. The authority's meetings are open to the public, and access for persons with disabilities is provided at all meetings of the authority. We would like to have the board meeting schedule for 1998 published in the next issue of the State Register.

All meetings will be held in the World Trade Club, on the mezzanine level of the main terminal building, Sea-Tac International Airport, SeaTac, Washington. All meetings will begin at 9:00 a.m. The meeting dates are: Wednesday, March 18th; Wednesday, June 10th; Wednesday, September 9th; and Wednesday, December 9th.

If you have any questions, please call (206) 587-5634.

WSR 98-02-036
NOTICE OF PUBLIC MEETINGS
LAKE WASHINGTON
TECHNICAL COLLEGE
[Memorandum—December 29, 1997]

Pursuant to RCW 42.30.075, please be advised that the regular meetings of this college's board of trustees during 1998 will be held the second Wednesday of each month at Lake Washington Technical College, 11605 132nd Avenue N.E., Kirkland, WA, beginning at 6 p.m. in Room W302E with work sessions, and continuing at 7 p.m. in the Board Room W305 with agenda meetings.

MISC.

WSR 98-02-038
NOTICE OF PUBLIC MEETINGS
RENTON TECHNICAL COLLEGE

[Memorandum—January 2, 1997]

Pursuant to RCW 42.30.075, please be advised that the Renton Technical College board of trustees' regular meetings during 1998 will be held as follows:

The second Tuesday of each month except for the months of July and August. Meetings will be held at 8:00 a.m. in the Administrative Conference Room, Building 1, Renton Technical College, 3000 Northeast Fourth Street, Renton, WA 98056-4195.

- January 13, 1998
- February 10, 1998
- March 10, 1998
- April 14, 1998
- May 12, 1998
- June 9, 1998
- July/August - No meeting
- September 8, 1998
- October 13, 1998
- November 10, 1998
- December 8, 1998

If you need further information, please contact (425) 235-2426.

WSR 98-02-042
NOTICE OF PUBLIC MEETINGS
DEPARTMENT OF AGRICULTURE

(Barley Commission)

[Memorandum—December 30, 1997]

To keep in compliance with the Open Public Meetings Act the Washington Barley Commission is filing the following schedule of the times, dates, and locations of our 1998 scheduled meetings:

Meeting Type	Date	Time
Regular Meeting	Wednesday March 25, 1997 [1998]	9:00 a.m.
Annual Meeting	Friday June 26, 1997 [1998]	9:00 a.m.
Regular Meeting	Wednesday September 30, 1997 [1998]	9:00 a.m.
Regular Meeting	Friday December 4, 1997 [1998]	8:30 a.m.

Meetings in March, June, and September are to be held in the Washington Wheat Commission's Conference Room, West 907 Riverside Avenue, Spokane, WA.

The meeting in December will be held at the Ridpath Hotel, 515 West Sprague, Spokane, WA.

If you have any questions, please call our office at (509) 456-4400.

WSR 98-02-043
NOTICE OF PUBLIC MEETINGS
EASTERN WASHINGTON UNIVERSITY

[Memorandum—January 5, 1998]

Eastern Washington University
 BOARD OF TRUSTEES

January 6, 1998, 10:00 a.m.

Cheney Campus
 Pence Union Building
 Room 263-65

Special Meeting

Eastern Washington University strives to satisfy all requests for special access needs for persons with disabilities. Requests for such accommodation are welcome and may be made by calling President's Office, 359-2371.

WSR 98-02-044
NOTICE OF PUBLIC MEETINGS
BELLINGHAM TECHNICAL COLLEGE

[Memorandum—January 5, 1998]

The regularly scheduled meeting of the board of trustees of Bellingham Technical College will be held on Thursday, January 15, 1998, 9-11 a.m., in the College Services Building Board Room on the Bellingham Technical College campus. Call 738-3105 extension 334 for information.

WSR 98-02-045
NOTICE OF PUBLIC MEETINGS
UNIVERSITY OF WASHINGTON

[Memorandum—December 31, 1997]

In accordance with RCW 42.30.075, the University of Washington is providing the following list of meeting schedules for governing bodies of schools, colleges, departments and programs at the university that maintain regular meeting schedules with the University of Washington Public Records Office.

[These schedules are available for public inspection at the following address:

Public Records Office
 4014 University Way N.E.
 Seattle, WA 98105-6203
 UW Internal Mail: Box 355502]

- Anesthesiology
- Anthropology
- Applied Mathematics
- Astronomy
- Bioengineering, Center for
- Botany
- Bothell Campus:
 - Business Administration
 - Dean's Cabinet
 - Education Program
 - Faculty
 - Liberal Studies Program
 - Nursing Program

MISC.

Broadcast Services, KUOW/KCMU
 Business Administration, School of
 Chemical Engineering
 Child Development & Mental Retardation Center
 Classics
 Comprehensive Oral Health Research Center
 Comparative Medicine
 Animal Care Committee
 Faculty
 Computer Science
 Computing & Software
 Dance Program
 Dental Public Health Sciences
 Dentistry, School of
 Research, Office of
 Drama, School of
 Economics
 Educational Outreach, University Extension
 Education, College of
 Education, Teacher Education Program
 Educational Psychology
 Endodontics
 Engineering, College of
 Epidemiology
 Fisheries, School of
 Forest Resources, College of
 Genetics
 Graduate School
 Harborview Medical Center
 Health Services
 History
 International Studies
 Landscape Architecture
 Law, School of
 Libraries, University
 Medical Education
 Music, School of
 Mechanical Engineering
 Medical History
 Near Eastern Languages & Civilization
 Nursing, Family & Child
 Oceanography
 Obstetrics & Gynecology
 Ophthalmology
 Oral & Maxillofacial Surgery
 Oral Medicine
 Otolaryngology, Head & Neck Surgery
 Pathobiology
 Public Affairs, Graduate School of
 Periodontics
 Pharmacy, School of
 Philosophy
 Physics
 Prosthodontics
 Regents, Board of
 Rehabilitation Medicine
 Scandinavian Languages & Literature
 Sociology
 Student Affairs
 Services & Activity Fee Committee
 Student Publications, Board of
 Tacoma Campus:

Business Administration
 Education Program
 University of Washington Medical Center

WSR 98-02-051
NOTICE OF PUBLIC MEETINGS
DEPARTMENT OF HEALTH
 (Board of Hearing and Speech)
 [Memorandum—January 2, 1998]

The Board of Hearing and Speech has canceled the January 16, 1998, board meeting at the Department of Natural Resources, Room 172, 1111 Washington Street, Olympia. The meeting has been rescheduled for January 23, 1998, at 1101 South Eastside Street, Olympia, WA.

If you have questions, please call (360) 586-8577.

WSR 98-02-052
NOTICE OF PUBLIC MEETINGS
UNIVERSITY OF WASHINGTON
 [Memorandum—January 5, 1998]

In accordance with RCW 42.30.075, the University of Washington is providing the following meeting schedule(s) for governing bodies of schools, colleges, departments and programs at the university that maintain regular meeting schedules at the University of Washington Public Records Office.

ASUW Finance and Budget Committee

Meeting Dates	Location	Time
Every Monday through the academic calendar	HUB 204M	3:30 p.m.

GPSS Senate

Meeting Dates	Location	Time
January 14	HUB Room 310	4:30 - 6:30 p.m.
February 11	HUB Room 310	4:30 - 6:30 p.m.
March 11	HUB Room 310	4:30 - 6:30 p.m.
April 8	HUB Room 310	4:30 - 6:30 p.m.
April 29	HUB Room 310	4:30 - 6:30 p.m.
May 13		

ASUW Board of Control

Meeting Dates	Location	Time
Every Thursday through the academic calendar	HUB 204M	3:30 p.m.

ASUW Senate

Meeting Dates	Location	Time
Every Tuesday through the academic calendar	Gowen 301	5:00 p.m.

MISC.

WSR 98-02-060**AGENDA****PUBLIC DISCLOSURE COMMISSION**

[Filed January 6, 1998, 4:33 p.m.]

**Agenda for Rules Under Development
January - June 1998**

Agency Contact: Vicki Rippie, Assistant Director, P.O. Box 40908, Olympia, WA 98504-0908, phone (360) 586-4838, FAX (360) 753-1112, e-mail pdc@wln.com.

At present, the Public Disclosure Commission has two rules under development:

(1) Topic: Adjusting for inflation the contribution limits and other dollar amounts established by Initiative 134.

Status: In December 1997, the commission filed the preproposal statement with the code reviser giving notice that it is contemplating making inflationary adjustments to the I-134 contribution limits and other dollar amounts as required by RCW 42.17.690. A public hearing on this issue will likely be held on March 24, 1998. If new limits are established by rule, they will likely go into effect on May 1, 1998.

Statutory Authority: RCW 42.17.370(1) and [42.17].690.

Statute Being Implemented: RCW 42.17.690.

WAC Cite: WAC 390-05-400 Changes in dollar amounts.

(2) Topic: Implementing the ban on a state elected official (or someone acting on behalf of a state elected official) soliciting or accepting contributions during the legislative session freeze period.

Status: In September of 1997, the Washington State Supreme Court issued a decision that affects the manner in which this statutory prohibition is to be interpreted. On December 9, 1997, the commission adopted, on an emergency basis, an amendment to WAC 390-17-400 Time limit to solicit or accept contributions. This amendment implements the court's decision. By January 21, 1998, the Public Disclosure Commission will file a preproposal statement giving notice that it expects to consider amending WAC 390-17-400 on a permanent basis. The public hearing would likely occur on April 21, 1998.

Statutory Authority: RCW 42.17.370(1).

Statute Being Implemented: RCW 42.17.710.

WAC Cite: WAC 390-17-400 Time limit to solicit or accept contributions.

In addition to the above and in accordance with its Rules Review Plan (and Rules Review Schedule) adopted to comply with Executive Order 97-02, the commission intends to review forty-one of its existing rules by September 1, 1998. A complete listing of these rules is available on the Public Disclosure Commission's Web site (<http://www.washington.edu/pdc>). The file name is Schedule.xls and it is an Excel chart.

January 6, 1998
Vicki Rippie
Assistant Director

MISC.

**DEPARTMENT OF LICENSING
RULE MAKING AGENDA FOR RULES UNDER DEVELOPMENT
JANUARY 1998**

CR-101	CR-102	PROGRAM	SUBJECT
96-12-078		Engineers	Implementation of Chapter 293, Laws of 1996 requiring the suspension of professional license/certification for default on federal/state guaranteed student loans.
95-17-080		Title & Registration	Procedure for titling vehicles in the name of a guardian.
96-20-005		Engineers	Expanding the Board's use of Brief Adjudicative Proceedings as provided for in RCW 34.05.482-494.
96-19-036		Fuel Tax	Provide for administrative procedures for Trust Fund Accountability Assessment for motor fuel, special fuel and aircraft fuel taxes and clarifies assessment appeal process for additional taxes, delinquent taxes and penalty and interest assessments for motor fuel.
97-03-029		Engineers	Requirements relating to application, qualification and examinations for licensure as a professional engineer.
97-06-082		Title & Registration	Confidential vehicle license plate applications and procedures.
97-06-081		Title & Registration	Confidential vessel registration applications and procedures.
97-09-083		Real Estate Appraiser	Increase real estate appraiser application certification, and renewal fees to defray costs of administering the real estate appraiser program.
97-11-002		Driver Responsibility	Procedural rules regarding the revocation and restoration of driving privileges of those forced to be an Habitual Traffic Offender under Chapter 46.65 RCW, including rules regarding the right to a hearing.
97-12-026	97-21-056	Title & Registration	Chapter 308-93 WAC, Vessel Registration and Certificate of Title
97-15-037		Vehicle Dealers	Change in vehicle dealer temporary permit requirements.
97-13-079		Professional Athletics	Establish new rules for the regulation of professional boxing, wrestling, kickboxing and martial arts.
97-14-088	97-24-104	Whitewater	Implementing licensing of Whitewater River Outfitters, and repeal of WAC 308-300-310
97-18-039		Engineers	Implementing provisions of chapter 247, Laws of 1997 (SB 5266) related to certificates of authorization for corporations, partnerships and limited liability companies. Amend existing rules as required and adopt fees.
97-18-038		Engineers	Adjust and adopt fees for the professional engineer and land surveyor program.
97-20-057		Title & Registration	To clarify the requirements to renew a disabled parking privilege in WAC 308-96A-340. Relocate wording from WAC 308-96A-315 into WAC 308-96A-

[17]

Miscellaneous

MISC.

Washington State Register, Issue 98-02
 WSR 98-02-061
 AGENDA
 DEPARTMENT OF LICENSING
 [Filed January 7, 1998, 8:29 a.m.]

WSR 98-02-061

			340 that address temporary disabled person parking placards. Create a new section in WAC 308-96A which clarifies the return of individual disabled person parking placards and disabled person parking license plates when the privilege is no longer valid.
97-20-108		Dealers	Amend WAC 308-61-108(5) to recognize that corporations survive even with internal changes. Amend WAC 308-66-140(9) to align with the Master Licensing Service (RCW 19.02) which does not prohibit names. Amend WAC 308-80-015(1) to eliminate outdated language (the licenses are permanently staggered now). Amend WAC 308-80-020(3) to recognize the widespread industry practice of hiring contract drivers.
97-19-038		Engineers	Repeal of administrative procedure rules currently codified in chapter 196-08 WAC. Said rules would be replaced with new rules in a new proposed chapter 196-09 WAC. Said new rules would correspond to the procedures set forth in the Administrative Procedure Act, chapter 34.05 RCW and chapter 10-08 WAC as well as applicable court rules.
97-21-103		Title & Registration	Chapter 308-94, Snowmobiles and Off-Road and Nonhighway Vehicles, Sections -010 through -110
97-21-104		Title & Registration	Chapter 308-96A, Vehicle Licenses, Sections -065 through -073, -175, -176, -550 and -560.
97-21-105		Title & Registration	Chapter 308-93, Vessel Registration and Certificate of Title, Sections -430 through -480.

WSR 98-02-064
AGENDA
DEPARTMENT OF
FISH AND WILDLIFE
 [Filed January 7, 1998, 9:52 a.m.]

WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE
RULE DEVELOPMENT AGENDA
January 1, 1998 through June 30, 1998

January 23-24, 1998 -

(1) Adoption of 1998 sport rules except rules developed from Pacific Fisheries Management Council North of Falcon process.

CR-101 filed September 17, 1997, WSR 97-19-092.

CR-102 filed November 5, 1997, WSR 97-22-107.

(2) Adoption of forage fish, marine fish catch areas, Puget Sound shrimp, Puget Sound and coastal crab, and Puget Sound and coastal bottomfish rules.

CR-101 filed September 17, 1997, WSR 97-19-094.

CR-102 filed December 2, 1997, WSR 97-24-084

Forage fish.

CR-102 filed December 2, 1997, WSR 97-24-087

Marine catch areas.

CR-102 filed December 2, 1997, WSR 97-24-086 Puget

Sound shrimp.

CR-102 filed December 2, 1997, WSR 97-24-088 Crab.

CR-102 filed December 2, 1997, WSR 97-24-082

Bottomfish.

(3) Adoption of endangered species rules.

CR-101 filed September 8, 1997, WSR 97-19-027.

CR-102 filed December 2, 1997, WSR 97-24-083.

April 3-4, 1998

Adoption of hunting hours and seasons, game management unit description, equipment restriction, and hunting within Colville Indian Reservation rules.

CR-101 filed December 23, 1997, WSR 98-01-174.

CR-102 expected filing February 18, 1998.

June 20, 1998

Expected adoption of sport fishing rules developed from Pacific Fisheries Management Council North of Falcon process.

CR-102XA expected filing April 22, 1998.

WSR 98-02-066
AGENDA
FOREST PRACTICES BOARD
 [Filed January 7, 1998, 10:16 a.m.]

Forest Practices Board
Rule Development Agenda
January - June 1998

The following sections of Title 222 WAC, Forest Practices Board, are in the rule-making process or being developed. The board's mandate is to adopt rules to protect the state's natural resources while maintaining a viable forest products industry.

1. Columbia Gorge National Scenic Area-Special Management Area proposed rules, this negotiated rule proposal was developed by key stakeholders in the Gorge,

including small landowners, industrial landowners, Friends of the Columbia Gorge, counties, the Gorge Commission, the USDA Forest Service, the environmental community, and the Department of Natural Resources. The Forest Practices Board initiated this negotiated rule making in August 1996, the Prenotice Statement of Inquiry was filed in November 1996, and the thirty-day review required by the Forest Practices Act (RCW 76.09.040) was conducted November 20 to December 26, 1997.

The proposed rule resolves a long-standing jurisdictional dispute involving timber harvests in the special management area. It clarifies what standards apply and the roles of various agencies involved. The Department of Natural Resources, the United States Forest Service and the Gorge Commission have developed a Memorandum of Understanding to implement the rule.

This consensus proposal was filed with the code reviser as WSR 98-01-222 on December 24, 1997, for publication on January 7, 1998. Public notice is also being mailed on January 7, 1998. Comments are due February 20, 1998.

The proposed rule includes changes to two existing chapters and two new sections: WAC 222-16-010 General definitions, 222-16-050 Classes of forest practices, 222-20-010 Applications and notifications—Policy, and 222-20-040 Approval conditions.

New sections are WAC 222-20-130 - Notice in CRGNSA Special Management Area and 222-46-015 - Enforcement within the CRGNSA Special Management Area.

2. Small Landowner Pilot Rule Making, the Forest Practices Board convened a committee to develop pilot rules for small landowners that would allow more flexibility and innovative ways to meet certain forest practices rules while assuring resource protection. Public meetings were held in 1997 to gather input, and more than 250 landowners and concerned citizens participated. The committee used this information to develop a concept paper with three alternatives that was presented to the board on November 12, 1997. The board referred the concepts to TFW for inclusion in the Forestry Module discussions. In an effort to avoid duplication, the Forest Practices Board will evaluate the Forestry Module efforts at its February meeting before asking the committee to refine its preliminary approaches.

3. Forestry Module, timber, fish and wildlife participants are presently negotiating a more comprehensive revision to the water quality and fish protection forest practices rules, called the "Forestry Module." This is an effort to put a revised set of forest practices rules in place to contribute to the recovery of Washington's salmon and steelhead runs and to coordinate meeting both federal and state laws. TFW originally established a February 1 deadline to have a proposal to the Forest Practices Board. Because these rules pertain to water quality, they will be coadopted by the Department of Ecology.

In the interim, the board has continued an emergency stream typing rule. The same language has been proposed as a permanent rule, serving as a placeholder until the Forestry Module recommendation is developed: WAC 222-16-030 Water typing systems, the proposed rule modifies the definitions of Type 2 and 3 waters so that appropriate riparian protection is provided along fish-bearing streams;

and WAC 222-12-090(13) Implementation guidelines in the Forest Practices Board manual.

4. Forest Practices on Islands, the board was petitioned by a citizens' group, SaltWater Islanders For Timberedlands (SWIFT) to consider their proposal to revise forest practices rules for Washington's islands. The board will consider this proposal at their February 1998 meeting.

5. Other, the board has asked staff to prepare draft recommendations for clarifications and corrections to the rules, as well as certain procedural rules. The board may consider these during 1998.

Contact person: Judith Holter, Forest Practices Board Rules Coordinator, Department of Natural Resources, Forest Practices Division, P.O. Box 47012, Olympia, WA 98504-7012, phone (360) 902-1412, FAX (360) 902-1784, e-mail Judith.Holter@WADNR.GOV.

WSR 98-02-067
NOTICE OF PUBLIC MEETINGS
FOREST PRACTICES BOARD
 [Memorandum—January 6, 1998]

Per WAC 222-08-040, the Forest Practices Board will hold regular meetings on:

- February 11, 1998
- May 13, 1998
- August 12, 1998
- November 10, 1998

The meetings will normally take place at 9 a.m. at the Natural Resources Building, 1111 Washington Street S.E., in Olympia. Notice of alternate locations, if selected, will be published in the Register.

Dates, locations and times of any special meetings will also be published in the Register.

For more information contact: Debbie Roper, Forest Practices Board Secretary, Department of Natural Resources, Forest Practices Division, P.O. Box 47012, Olympia, WA 98504-7012, phone (360) 902-1413, FAX (360) 902-1784, e-mail Debbie.Roper@wadnr.gov.

WSR 98-02-070
DEPARTMENT OF CORRECTIONS
 [Filed January 7, 1998, 10:30 a.m.]

Reviser's note: WSR 98-02-070 was withdrawn on January 9, 1998, and will be refiled by the agency at a later date.

WSR 98-02-071
AGENDA
DEPARTMENT OF
NATURAL RESOURCES
 [Filed January 7, 1998, 10:40 a.m.]

In accordance with section 206, chapter 409, Laws of 1997 of E2SHB 1032, the Department of Natural Resources is filing the following agenda for rules under development.

The agenda distinguishes between new rules and amended rules.

Title of Amended Rule: Milwaukee Road Corridor—Recreation use.

WAC Section: WAC 332-52-065.

Contact Person: Jim Munroe, Southeast Region.

Phone: (509) 925-8510.

Approximate Time of Filing: March 1998.

Scope of Rule Amendment: Update the WAC to reflect the corridor being open year round.

Purpose/Mandate for the Rule: Carry out objectives of RCW 79.08.277.

Title of Amended Rule: WAC 332-24-221 Specific rules for burning that requires a written burning permit.

Contact Person: Mark Gray.

Phone: (360) 902-1754.

Approximate Time of Filing: May 1998.

Scope of Rule Amendment: Adjust burn permit fees.

Purpose/Mandate for Rule: Set fees for burning at the level necessary to cover the cost of the permit program as required by RCW 70.94.660.

Title of Amended Rule: WAC 332-24-710 Forest protection zone—Kitsap County.

Contact Person: Mark Gray.

Phone: (360) 902-1754.

Approximate Time of Filing: May 1998.

Scope of Rule Amendment: Correct typographical errors; revise format of rule to make the rule more easily readable.

Purpose/Mandate for Rule: RCW 76.04.165 Legislative declaration—Forest protection zones require that the Department of Natural Resources should work with the state's other fire control agencies to define geographic areas of responsibility that are more consistent with their respective primary missions.

Title of Amended Rule: WAC 332-24-720 Forest protection zone—Pierce County.

Contact Person: Mark Gray.

Phone: (360) 902-1754.

Approximate Time of Filing: May 1998.

Scope of Rule Amendment: Correct typographical errors; revise format of rule to make the rule more easily readable.

Purpose/Mandate for Rule: RCW 76.04.165 Legislative declaration—Forest protection zones require that the Department of Natural Resources should work with the state's other fire control agencies to define geographic areas of responsibility that are more consistent with their respective primary missions.

Title of Amended Rule: WAC 332-24-730 Forest protection zone—King County.

Contact Person: Mark Gray.

Phone: (360) 902-1754.

Approximate Time of Filing: May 1998.

Scope of Rule Amendment: Correct typographical errors; revise format of rule to make the rule more easily readable.

Purpose/Mandate for Rule: RCW 76.04.165 Legislative declaration—Forest protection zones require that the Depart-

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ment of Natural Resources should work with the state's other fire control agencies to define geographic areas of responsibility that are more consistent with their respective primary missions.

WSR 98-02-075
DEPARTMENT OF
SOCIAL AND HEALTH SERVICES

[Filed January 7, 1998, 11:14 a.m.]

PUBLIC NOTICE

DEPARTMENT OF SOCIAL AND HEALTH SERVICES

Effective with services provided on or after January 1, 1998:

The Department of Social and Health Services, Medical Assistance Administration, will enforce WAC 388-87-011(1), as permitted by Section 4714 (a)(2) of the Balanced Budget Act of 1997, Public Law 105-33. WAC 388-87-011(1) reads:

Conditions of payment—Medicare deductible and coinsurance—When paid by department.

(1) The department shall pay the deductible and coinsurance amounts for recipients participating in the benefits of Parts A and B of Medicare (Title XVIII of the Social Security Act) when the:

(a) Total combined reimbursement to the provider from Medicare and the department does not exceed the department's fee schedule as described under WAC 388-87-010; and

(b) Provider accepts assignment for Medicare payment.

The department was previously prohibited from enforcing WAC 388-87-011(1) by a permanent injunction issued in a federal court case known as *South Sound Radiologists, Inc., et al. v. Soliz*, No. C95-1218WD, Judgement Under Fed. R. Civ. P.54(b), January 8, 1996.

However, that injunction was vacated by an order issued in a federal case known as *South Sound Radiologists, Inc. et al. v. Quasim*, No. C95-1218WD, October 21, 1997.

Please refer questions and comments to Ayuni Hautea-Wimpee, Professional Reimbursement Section, Medical Assistance Administration, P.O. Box 45510, Olympia, WA 98504-5510.

WSR 98-02-076
INTERPRETIVE OR POLICY STATEMENT
DEPARTMENT OF
SOCIAL AND HEALTH SERVICES

[Filed January 7, 1998, 11:15 a.m.]

DESCRIPTION OF INTERPRETIVE OR POLICY STATEMENT

Document Title: Children's Administration Policy 98-09.

Subject: Transfer of case between children's administration programs.

Effective Date: December 29, 1997.

Document Description: The directive provides instruction to Children's Administration Division of Children and Family Services (DCFS) social worker staff for the transfer

of client records between Child Protective Services (CPS) or Family Reconciliation Services (FRS) and Child Welfare Services (CWS) within an office following out-of-home placement or establishment of an in-home dependency by court action.

To receive a copy of the interpretive or policy statement, contact Art Cantrall, Mailstop 45710, P.O. Box 45710, Olympia, WA 98504-5710, phone (360) 902-7956, TDD (360) 902-7906, FAX (360) 902-7903, e-mail CANA300@dshs.wa.gov.

January 7, 1998
 Jennifer Strus

WSR 98-02-078
AGENDA
DEPARTMENT OF REVENUE

[Filed January 7, 1998, 11:22 a.m.]

The Department of Revenue's rule development agenda shows those rules for which we anticipate beginning the formal rule-making process by July 31, 1998. Other rules may be added to the list as a result of legislative action, industry or taxpayer request, or court decisions.

The department will continue to maintain a separate rules priority list which will show planned rule activity by fiscal year. Both the rules priority list and the rules development agenda will be available on the department's Internet home page by January 31, 1998, at <http://www.wa.gov/dor/wadorrcw.htm#rules>.

If you would like to receive future copies of either list in the mail, please send a request to Roseanna Hodson, Legislation and Policy, Box 47467, Olympia, WA 98504-4767.

Any person currently on the excise tax rules maintenance list or property tax rules list will automatically receive a copy of the rule development agenda.

**Rules Development Agenda
Activity Planned by July 31, 1998
Last Revised 1/7/98**

Rule Number	Last Revised	Subject	Explanation	Assigned To	Status
NEW	New	Leasehold Excise (New)	No rules have ever been drafted; need to clarify application	Margaret Partlow	101 - anticipated late spring '98
458-12-005 458-12-245	1968	Intangibles	'97 Legislative Changes	Kim Qually	May use expedited process
458-12-040 458-12-300 458-12-301 458-12-305 458-12-326 458-12-327 458-12-330 458-12-335 458-12-336 458-12-337 458-12-338 458-12-339	1968 1968 1972 1968 1983 1983 1968 1983 1983 1983 1973 1983	PT Rules for Assessors	Legislative Changes	Jim Winterstein	Drafting
458-16-110 458-16-111 458-16-165 458-16-300 458-16-310	4/94	Exempt nonprofit property tax rules	Legislative Changes	Kim Qually	101 anticipated spring/sum '98
458-20-104	1/97	Small business tax relief based on volume of business	Ranged Table for B&O small Business Credit approved by 97 leg.	Pat Moses	Adopted on emergency basis; expedited adoption planned Jan/Feb 98
458-20-131	'83	Merchandising games, games of chance and concessionaires	Industry Request	Margaret Partlow	101 planned late spring '98
458-20-139 458-20-144	6/70 7/70	Printing Industry	Explain intermediate steps in printing process	Ed Ratcliffe	Drafting

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Legislation & Policy Division
Department of Revenue

Rule Number	Last Revised	Subject	Explanation	Assigned To	Status
458-20-167		Educational institutions	Needs updating, dealing with sales of transcripts	Pat Moses	Either file for expedited adoption Feb '98 or 101 in Apr/May '98
458-20-178 458-20-17801	12/86 New	Use Tax Use Tax Exemptions	Need changes in light of past legislation and '97 leg changes.	Anne Gernhardt/ Alan Lynn	Drafting
458-20-179 458-20-17901	6/94	Public Utility Tax	Reporting threshold needs to be removed from rule. Monthly exemption was raised to \$2,000/mo by c. 111 laws of 1996 and '97 leg changes	Jim Hedrick	Drafting
458-20-183	12/95	Amusement, Recreation & Physical Fitness Services	Petition and legislative changes	Greg Potegal	101 Planned Mar/Apr '98
458-20-192	11/80	Indians	Needs updating	Leslie Cushman	101 planned May/June '98
458-20-211	2/96	Renting Leasing	Petition	TBA	~
458-20-216	5/70	Successors	Updating because of leg changes	Greg Potegal	Drafting
458-20-222	3/83	Veterinarians	Needs updating & work with industry on approach	Jim Winterstein	101 planned Apr/May '98
458-20-228 458-20-229	92	Penalties & Interest Refunds	Legislative Changes	Pat Moses	101 planned Feb/Mar '98
458-20-238		Sales to non residents of water craft.	'97 legislation	TBA	Candidate for expedited adoption
458-20-240 458-20-24001	88	manufacturing tax credits; S&U tax distressed area deferral	Needs revision because of legislation.	Leslie Cushman	101 Planned May/June '98
458-20-24003 458-20-24003A	New New	High Tech S&U tax deferral and credit	New rule - 1994 legislation	Ed Ratcliffe	drafting

Legislation & Policy Division
Department of Revenue

Rule Number	Last Revised	Subject	Explanation	Assigned To	Status
458-20-255		Carbonated Beverage and Syrup tax.	Past Legislation & '97 legislation.	Jim Hedrick	Expedited adoption planned spring '98
458-20-262	New	Farmworker Housing	New Legislation	Cliff Ellenwood	Review
458-40-660	12/31/96	Timber/Forest Stumpage Values	Must be done 2/year (Jan & July 1)	Ed Ratcliffe	Continuous
458-50-NEW	New	Intangibles	'97 Legislative changes	Kim Qually	101 - anticipated spring '98
458-57-510*		Estate - Scope of rules	Cites incorrect RCW as authority for promulgating estate tax rules. Correct cite is RCW 83.100.200. Current cite was repealed in 1988.	Pat Moses/ Phoebe Hein	Planned expedited repeal during next open period
458-57-570		Estate - Tax returns to be filed	96 legislation changing to variable interest rate	Pat Moses/ Phoebe Hein	Drafting
458-57-650		Estate - Interest and penalties	96 legislation changing to variable interest rate.	Pat Moses/ Phoebe Hein	Drafting
458-61-090		Interest & penalties - date of sale	legislation on penalties (e.g. change from 30/60 day to 1mo./20mo. Threshold for penalty rollovers).	Pat Moses/ Phoebe Hein	Drafting
458-276-all		Public Records	Needs revision/updating	Anne Solwick/ Pat Moses	Drafting

*All of 457-57 - Estate Tax is anticipated to be revised during 1998.

Legislation & Policy Division
Department of Revenue

WSR 98-02-081**AGENDA****PUBLIC EMPLOYMENT
RELATIONS COMMISSION**

[Filed January 7, 1998, 11:43 a.m.]

**RULES DEVELOPMENT AGENDA OF THE PUBLIC
EMPLOYMENT RELATIONS COMMISSION**

January 7, 1998

The commission is currently reviewing proposed changes to chapter 391-08 WAC. This effort is being undertaken as part of the first-year phase of the four-year rules review process mandated by Executive Order 97-02. This agenda is prepared pursuant to RCW 34.05.314. The following sections of chapter 391-08 WAC are being reviewed for possible change:

- (1) WAC 391-08-001 Application and scope of chapter 391-08 WAC.
- (2) WAC 391-08-120 Filing and service of papers.
- (3) WAC 391-08-180 Service of process—Continuances.
- (4) WAC 391-08-300 Subpoenas—Discovery—Form.
- (5) WAC 391-08-310 Subpoenas—Issuance to parties.
- (6) WAC 391-08-315 Interpreters.
- (7) WAC 391-08-630 Agency structure—Substitution for executive director.
- (8) New - Adjudicative proceedings—Appeals.
- (9) WAC 391-08-810 Agency records—Confidentiality.

Conforming changes are being considered to the following rules in chapters 391-25, 391-35, 391-45, 391-55 and 391-95 WAC:

- (1) WAC 391-25-390 Proceedings before the executive director.
- (2) WAC 391-25-391 Special provision—Public employees.
- (3) New - Appeals.
- (4) WAC 391-25-590 Filing and service of objections.
- (5) WAC 391-25-630 Procedure where objections are filed.
- (6) WAC 391-25-650 Briefs and written arguments on objections.
- (7) WAC 391-25-670 Commission action on objections.
- (8) WAC 391-35-190 Proceedings before the executive director.
- (9) WAC 391-35-210 Proceedings before the commission—Petition for review.
- (10) WAC 391-35-230 Filing and service of cross-petition for review.
- (11) WAC 391-35-250 Commission action.
- (12) WAC 391-45-110 Preliminary ruling by executive director.
- (13) WAC 391-45-310 Examiner decision.
- (14) WAC 391-45-330 Withdrawal or modification of examiner decision.
- (15) WAC 391-45-350 Petition for review of examiner decision.
- (16) WAC 391-45-370 Filing and service of cross-petition for review.
- (17) WAC 391-45-390 Commission action.
- (18) WAC 391-55-245 Interest arbitration—Award.
- (19) WAC 391-55-345 Educational employees—Findings of fact and recommendations.

(20) WAC 391-95-150 Union security—Initial processing by executive director.

(21) WAC 391-95-250 Examiner decision.

(22) WAC 391-95-260 Withdrawal or modification of examiner decision.

(23) WAC 391-95-270 Proceedings before the commission—Petition for review.

(24) WAC 391-95-280 Filing and service of cross-petition for review.

(25) WAC 391-95-290 Commission action.

Please contact Mark S. Downing, Rules Coordinator, at (360) 753-2955 if you have any questions concerning this matter.

WSR 98-02-082**AGENDA****UNIVERSITY OF WASHINGTON**

[Filed January 7, 1998, 11:45 a.m.]

**The University of Washington's
Semiannual Agenda for Rules Under Development
January 1998**

1. Chapter 478-160 WAC, Admission and registration procedures for the University of Washington. A CR-101 was filed as WSR 97-20-084; intended adoption date: First half of 1998.

2. Chapter 478-140 WAC, Rules and regulations for the University of Washington governing disclosure of student records. No filing as yet; intended adoption date: Second half of 1998.

3. Chapter 478-132 WAC, Academic calendar for the University of Washington. Rule review per Executive Order 97-02; intended review completion: First half of 1998.

4. Chapter 478-210 WAC, Thomas Burke Memorial Washington State Museum. Rule review per Executive Order 97-02; intended review completion: First half of 1998.

5. Chapter 478-324 WAC, Rules and regulations for the University of Washington implementation of the State Environmental Policy Act. Rule review per Executive Order 97-02; intended review completion: Second half of 1998.

For more information concerning the above rules under development, contact Rebecca Goodwin Deardorff, Administrative Procedures Officer, phone (206) 543-9199, e-mail adminpro@u.washington.edu.

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Department of Health 1998 Rules Agenda

DIVISION/ PROGRAM	WAC NUMBER	WAC TITLE/ SUBJECT	STATUTORY AUTHORITY	ADOPTING AUTHORITY	STATUS
OFFICE OF THE SECRETARY					
Policy and Planning	246-05	Local Public Health Guidelines	RCW 43.20.050 RCW 70.46.080 RCW 43.70.580	SBOH Secretary	CR-101s Filed
COMMUNITY AND FAMILY HEALTH					
HIV/AIDS - STD	246-100-072, 206, 207, 208, 209	Updates for consistency with current medical practice regarding HIV and STD Prevention, Counseling, and Control	RCW 70.24.022 RCW 70.24.130 RCW 70.24.340	SBOH	Problem Identified
Disease and Condition Reporting	246-100-211, 218 246-420 246-430	Creation of an integrated public health surveillance reporting system.	RCW 70.28.032 RCW 43.70.545 RCW 70.58.350 RCW 70.54.270	SBOH Secretary SBOH Secretary	Problem Identified (Interdivisional Effort Between CFH, EHP, EHSPHL, & HSQA- EMS)
Coordinated Children's Services	246-710	Updates for consistency with current state and federal laws, as well as current operational practice.	RCW 43.20.140	SBOH	Problem Identified
WIC	246-790	Updates for consistency w/ state and Fed laws as well as clarification	RCW 43.70.120	Secretary	Adopted 97-16-117
HEALTH SYSTEMS QUALITY ASSURANCE					
Community & Rural Health	246-560-001 through 090	Community Rural Health	RCW 70.175 RCW 70.185	Secretary	CR-101 Filed
Assistant Secretary	246-312	Hospital Acquisition	C 332, L 97	Secretary	CR-101 Filed

Department of Health 1998 Rules Agenda

DIVISION/ PROGRAM	WAC NUMBER	WAC TITLE/ SUBJECT	STATUTORY AUTHORITY	ADOPTING AUTHORITY	STATUS
Denture Technology	246-XXX	Defining Practice		Secretary	Problem Identified
Emergency Medical Services & Trauma Prevent.	246-976-001, 010 and 910 through 990	Purpose, Definition, System Administration	RCW 18.71, RCW 18.73 & RCW 70.168	Secretary	CR-101 Filed
EMS	246-976-020-120 (except sec. 076, 077 & 090)	Emergency Medical Services and Trauma Care Systems (Training Sections)	RCW 18.73 & 18.71	Secretary	CR-101 Filed
EMS	246-976-076, 077, 165 & 181	Intermediate Life Support (training, CME, certification & definition)	RCW 18.71 & 18.73	Secretary	CR-101 Filed
EMS	246-976-140-240 (except sec. 165 & 181)	Emergency Medical Services and Trauma Care Systems (Certification Sections)	RCW 18.71 and RCW 18.73	Secretary	CR-101 Filed
EMS	246-976-260 through 400	Licensure; Verification	RCW 18.73 & 70.168	Secretary	CR-101 Filed
EMS	246-976-420-450	Emergency Medical Services and Trauma Care Systems (Trauma Registry)	RCW 70.168	Secretary	CR-101 Filed
EMS	246-976-470-890	Emergency Medical Services and Trauma Care Systems (Designation)	RCW 70.168	Secretary	CR-101 Filed
EMS	246-976-935	Trauma Care Funding	C 331, L 1997	Secretary	CR-102 Filed Hearing 1/27

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Miscellaneous

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Washington State Register, Issue 98-02

WSR 98-02-083

Department of Health 1998 Rules Agenda					
DIVISION/ PROGRAM	WAC NUMBER	WAC TITLE/ SUBJECT	STATUTORY AUTHORITY	ADOPTING AUTHORITY	STATUS
Facilities & Services Licensing	246-100-181	Communicable and certain other diseases - Special Settings--Child day care facilities	RCW 43.20.050	Secretary	Planned
Facilities & Services Licensing	246-100-186	Communicable and certain other diseases - Special Settings--Health care facilities	RCW 43.20.050	Secretary	Planned
Facilities & Services Licensing	246-316	Boarding Homes	RCW 18.20.090	Secretary	
Facilities & Services Licensing	246-318	Hospitals	RCW 70.41.030	Secretary	CR-101 Filed
Facilities & Services Licensing	246-323	Residential Treatment Facilities	RCW 71.12	Secretary	
Facilities & Services Licensing	246-325	Adult Res. Rehab Centers & Private Adult Treatment Homes	RCW 71.12	Secretary	
Facilities & Services Licensing	246-325-001	Adult Residential Rehab Centers- Purpose and Scope	RCW 43.70.040	Secretary	Expedited Repeal CR- 101X Filed
Facilities & Services Licensing	246-340-085	Second Trimester Abortion Facilities- - Criminal History Background Checks	RCW 43.43.830 -842	Secretary	Expedited Repeal CR-101X Filed
Facilities & Services Licensing	New Chapter	Child Care Centers	RCW 74.15.060	Secretary	CR-101 Filed
Acupuncture	246-802	Acupuncture Chapter	RCW 18.06.160 RCW 43.70.040	Secretary	
Acupuncture	246-802-020	License Renewal		Secretary	Expedited Repeal

Department of Health 1998 Rules Agenda

DIVISION/ PROGRAM	WAC NUMBER	WAC TITLE/ SUBJECT	STATUTORY AUTHORITY	ADOPTING AUTHORITY	STATUS
	246-802-025 246-802-240	Inactive Status Cooperation w/investigation			CR-101X Filed
Health Care Assistants	246-826-010	Definitions		Secretary	
Health Care Assistants	246-826-080	Updating the Health Care Assistants Chapter	RCW 18.135.030	Secretary	CR-101 Filed
Health Professions Quality Assurance	246-XXX	Student Loan Defaults		Secretary	CR-101 Filed
Health Professions Quality Assurance	246-12	Administrative Procedures relating to health professions licensing	RCW 43.70.280	Secretary	CR-102 Filed Hearing 1/28
Denture Technicians	246-812	Denturist licensure-- Training Courses		Secretary	Expedited Repeal CR-101X Filed
Hearing/Speech	246-828	Housekeeping Amendments	RCW 18.35.161	Board	CR-102XA Filed Pending Adoption
Hearing/Speech	246-828-020, 025	Hearing Aid Fitters Examinations; Definitions	RCW 18.35.161	Board/ Secretary	CR-101 Filed
Hearing/Speech	246-828-510	Continuing Education	RCW 18.35.090	Secretary	CR-101 Filed
Hearing/Speech	246-828	Standards of practice for speech, language pathologists and audiologists	RCW 18.35.161	Board	CR-101 Filed
Massage Board	246-830	Massage Therapy Chapter	RCW 18.108.025 RCW 18.108.085	Board	Problem Identified
Massage Board	246-830-690	Cooperation w/investigation		Board	Expedited Repeal CR-

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Miscellaneous

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Washington State Register, Issue 98-02

WSR 98-02-083

Department of Health 1998 Rules Agenda					
DIVISION/ PROGRAM	WAC NUMBER	WAC TITLE/ SUBJECT	STATUTORY AUTHORITY	ADOPTING AUTHORITY	STATUS
	246-830-220 246-830-230 246-830-240 246-830-250 246-830-260 246-830-270 246-830-280	Exams Grading of Exams Frequency of Exams Exam Appeal Re-exams Special Exam Dismissal from Exam			101X Filed
Nursing Home Administrators	246-843-001, 030, 040, 050	Board Authority , Meetings, Powers and Duties	18.52.061	Board	CR-101 Filed
Nursing Home Administrators	246-843-010	Definitions	18.52.061	Board	CR-101 Filed
Nursing Home Administrators	246-843-090, 095	Pre-exam requirements, Administrators in training	18.52.061	Board	CR-101 Filed
Nursing Home Administrators	246-843-070, 080, 100 to 122, 170 & 230	Examinations	18.52.061	Board	CR-101 Filed
Nursing Home Administrators	246-843-125, 130, 150, 155	Continuing Education	18.52.061	Board	CR-101 Filed
Nursing Home Administrators	246-843-158	Current Mailing Address			Expedited Repeal CR- 101X Filed
Nursing Home Administrators	246-843-200, 205	Standards of Conduct	18.52.061	Board	CR-101 Filed

Department of Health 1998 Rules Agenda

DIVISION/ PROGRAM	WAC NUMBER	WAC TITLE/ SUBJECT	STATUTORY AUTHORITY	ADOPTING AUTHORITY	STATUS
Nursing Home Administrators	246-843-220, 225, 340	Procedures Relating to Disciplinary Authority	18.52.061	Board	CR-101 Filed
Nursing Home Administrators	246-843-990	Fees		Secretary	Problem Identified
Medical Commission	246-918-008, 009 & 246-919-500, 510	Adjudicative Proceedings		Commission	Expedited Repeal CR-101X Filed
Medical Commission	246-918-160	Physician Assistants-- Discipline		Commission	Expedited Repeal CR-101X Filed
Medical Commission	246-919	Witness; International Medical Grads; Cont. Ed;	RCW 18.71.017	Commission	Planned
Medical Commission	246-919-520	Revocation of License	RCW 18.71.017	Commission	CR-102 Filed 7/23/97
Midwifery	246-834-010	Housekeeping (definitions)	RCW 18.50.045	Secretary	Problem Identified
Midwifery	246-834-180	Application for accreditation	RCW 18.50.045	Secretary	Problem Identified
Midwifery	246-834-220	Credit toward education required for licensure	RCW 18.50.045	Secretary	Problem Identified
Midwifery	246-834-350	Repeal of Cooperation with investigation	RCW 18.50.130	Secretary	Expedited Repeal CR-101X Filed
Naturopath Board	246-836	Education, Licensure, Fees	RCW 18.36A.060 RCW 43.70.040	Secretary	Planned
Naturopath Board	246-836-990	Fees	RCW 18.36A.060 RCW 43.70.040	Secretary	CR-102 Filed Hearing 1/12

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Miscellaneous

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Washington State Register, Issue 98-02

WSR 98-02-083

Department of Health 1998 Rules Agenda					
DIVISION/ PROGRAM	WAC NUMBER	WAC TITLE/ SUBJECT	STATUTORY AUTHORITY	ADOPTING AUTHORITY	STATUS
Naturopath Board	246-836-070 246-836-090 246-836-190 246-836-400	Renewal License Reinstatement Mechanotherapy Cooperation w/investigation		Secretary	Expedited Repeal CR-101X Filed
Nursing Commission	246-838 246-839 246-840	Interstate Endorsement	RCW 18.79.110	Board	
Nursing Commission	246-838-010	Definition of LPN Supervision	RCW 18.79.110	Board	
Nursing Commission	246-838-130, 246-839-120	Lapsed licenses	RCW 18.79.110	Board	
Nursing Commission	246-839	Equivalency of non-traditional nursing education to WA approved	RCW 18.79.110	Board	
Nursing Commission	246-839-830	Pronouncement of Death (on hold for now)	RCW 18.79	Board	Problem Identified
Nursing Commission	246-840-990	RN, ARNP, LPN Fees	RCW 18.79.110	Secretary	Adopted 97-23-075
Nursing Commission	246-840-010	Sexual Misconduct	RCW 18.130.180 (24)	Board	Pending Adoption
Nursing Commission	246-841-710, 730, 740, 750	Nursing Assistants- Housekeeping	RCW 18.88A	Board	Expedited Repeal CR-101X Filed
Nursing Commission	New Chapter per RCW 18.79.260	Accepting orders from Naturopaths	RCW 18.79.260, 270	Board	Problem Identified
Nursing Commission	New Chapter	Defining minor surgery	RCW 18.79	Board	Problem Identified

Department of Health 1998 Rules Agenda

DIVISION/ PROGRAM	WAC NUMBER	WAC TITLE/ SUBJECT	STATUTORY AUTHORITY	ADOPTING AUTHORITY	STATUS
Occupational Therapy	246-847-010, 115	Definitions Limited permits	RCW 18.59.130	Board/ Secretary	
Board of Optometry	246-851-XXX	Definitions of vision therapy and low vision rehab	RCW 18.54.070(2)	Board	Problem Identified.
Board of Optometry	246-851-XXX	Credentialing by Endorsement	RCW 18.54.070	Board	Problem Identified.
Dispensing Opticians	246-824	Dispensing Opticians	RCW 43.70.040 RCW 18.130.070	Secretary	CR-101 Filed
Dispensing Opticians	246-824-010, 020	Definitions/ Registration of Apprentices	RCW 43.70.040	Secretary	CR-101 Filed
Board of Pharmacy	246-861	Professional Pharmaceutical Education		Board	
Board of Pharmacy	246-865	Extended Care Facilities		Board	CR-101 Filed
Board of Pharmacy	246-869	Pharmacy Licensing	RCW 18.64.005	Board	CR-101 Filed
Board of Pharmacy	246-871	Parenteral Products for Nonhospitalized Patients		Board	Problem Identified
Board of Pharmacy	246-872	Automated Drug Dispensing Devices	RCW 18.64.005	Board	CR-101 Filed
Board of Pharmacy	246-873	Hospital Standards		Board	CR-101 Filed
Board of Pharmacy	246-875	Patient Medication Record Systems		Board	CR-101 Filed
Board of Pharmacy	246-879	Drug Destruction Companies	RCW 18.64.005 RCW 69.50.201	Board	CR-101 Filed
Board of Pharmacy	246-883	Ephedrine Prescription Requirements		Board	CR-101 Filed
Board of Pharmacy	246-887	Uniform controlled Substances Act		Board	
Board of Pharmacy	246-887-160	DHEA	RCW 69.50.201	Board	CR-101 Filed

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Miscellaneous

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Department of Health 1998 Rules Agenda					
DIVISION/ PROGRAM	WAC NUMBER	WAC TITLE/ SUBJECT	STATUTORY AUTHORITY	ADOPTING AUTHORITY	STATUS
Board of Pharmacy	246-887-170	SOMA	RCW 18.64.005 RCW 69.50.201	Board	CR-101 Filed
Board of Pharmacy	246-901	Board to track all Pharmacy employees	RCW 18.64.005	Board	CR-101 Filed
Board of Pharmacy	246-903	Nuclear Pharmacies		Board	Problem Identified
Board of Pharmacy	246-XXX	Registration of Level B Pharmacy Assistants		Board	Problem Identified
Psychology	246-924- 040(2)	Education prerequisites to licensing	RCW 18.83.050	Board	CR-101 Filed
Psychology	246-924-080, 250, 470	License Application Fees, Continuing Ed., Psychological Exam	RCW 18.83.050 RCW 18.130.250	Board	CR-101 Filed
Psychology	246-924-240, 500	Definition of categories of CPE, Retired active psychologists	RCW 18.83.050 RCW 18.130.250	Board	CR-101 Filed
Psychology	246-924-370	Child Custody Evaluation	RCW 18.83.050(5)	Board	CR-101 Filed
Psychology	246-924-480, 485	Temporary permits, Issuance & Duration	RCW 18.83.040 RCW 18.130.075	Board	CR-101 Filed
Psychology	246-924-990	Fees	RCW 43.70.250	Secretary	CR-101 Filed
Radiologic Technicians	246-926	Cooperation w/ Investigations; Approved Schools; Alternative Training		Secretary	Problem Identified
Respiratory Care Practitioners	246-926-090	Coop with Invest.	RCW 18.89.140	Secretary	Problem Identified
Respiratory Care Practitioners	246-928-180	Coop w/invest RCP		Secretary	

Department of Health 1998 Rules Agenda

DIVISION/ PROGRAM	WAC NUMBER	WAC TITLE/ SUBJECT	STATUTORY AUTHORITY	ADOPTING AUTHORITY	STATUS
SOTP	246-930	Education/ Certification/ Fees	RCW 18.155.040	Secretary	CR-101 Filed
Veterinarian	246-933	Requirements for facilities, practice, qualifications & fees	RCW 18.92.030 RCW 34.05	Board/ Secretary	CR-101 Filed
Veterinarian	246-935	Responsibilities, tasks, eligibility, fees	RCW 18.92.030 RCW 34.05	Board/ Secretary	CR-101 Filed
ENVIRONMENTAL HEALTH PROGRAM					
Radiation Protection	246-246	Radioactivity Cleanup Standards	RCW 70.98.050(4)	Secretary	CR-101 Filed
Radiation Protection	246-249-080	NORM	RCW 70.98.050 RCW 70.98.080	Secretary	CR-101 Filed
Shellfish Program	246-282	Sanitary Control of Shellfish	RCW 69.30.030	SBOH	Pending Adoption
Shellfish Program	246-282-005	Shellfish HACCP	RCW 69.30.030	SBOH	Pending Adoption
Shellfish Program	246-282-990	Limited Commercial Shellfish License	RCW 43.20B.020 RCW 43.70.040	Secretary	CR-101 Filed
Drinking Water	246-290	Public Water Supplies -- Chapter Revision	RCW 43.20.090	SBOH	
Community & Environmental Health	246-366	Primary and Secondary Schools	43.20.050	SBOH	Planned
Disease and Condition Reporting	246-100-196, 217	Creation of an integrated public health surveillance reporting system.	RCW 43.20.050 RCW 70.104.055	SBOH	Problem Identified (Interdivisional Effort Between CFH, EHP, EHSPHL, & HSQA- EMS)

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Miscellaneous

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Washington State Register, Issue 98-02

WSR 98-02-083

EPIDEMIOLOGY, HEALTH STATISTICS AND PUBLIC HEALTH LABORATORY					
Disease and Condition Reporting	246-100-006, 011, 016, 021, 031, 042, 071, 076, 081, 086, 091, 176, 216, 231, 236, 241	Creation of an integrated public health surveillance reporting system.	RCW 43.20.050 RCW 70.24.130 RCW 70.28.032 RCW 70.104.055		Problem Identified (Interdivisional Effort Between CFH, EHP, EHSPHL, & HSQA-EMS)
Laboratory Certification	246-390	Drinking Water Certification	RCW 43.20.050	SBOH	
Center for Health Statistics	246-490-019	New record for child when father acknowledges paternity	RCW 43.70.040, 150	Secretary	Expedited Repeal CR-101X Filed

WSR 98-02-084
DEPARTMENT OF HEALTH
 (Board of Pharmacy)
 [Filed January 7, 1998, 11:48 a.m.]

Reviser's note: The following material has *not* been adopted under the Administrative Procedure Act, chapter 34.05 RCW, but has been filed in the office of the code reviser and is published in the Register exactly as filed.

RCW 69.50.201 (2)(e) allows the board to directly adopt the Drug Enforcement Agency's scheduling orders without the need for issuance of a notice of proposed rule [making] under chapter 34.05 RCW. Notice of proposed rule making was published in the December 3, 1997, edition of the Washington State Register, WSR 97-23-076. No objection to the proposed rule was received. On December 10, 1997, the board adopted the rule.

Arthur E. Yeoman
Board Chair

AMENDATORY SECTION (Amending WSR 94-08-098, filed 4/6/94, effective 5/7/94)

WAC 246-887-170 Schedule IV. The board finds that the following substances have a low potential for abuse relative to substances in Schedule III and have currently accepted medical use in treatment in the United States and that the abuse of the substances may lead to limited physical dependence or psychological dependence relative to the substances in Schedule III. The board, therefore, places each of the following substances in Schedule IV.

(a) The drugs and other substances listed in this section, by whatever official name, common or usual name, chemical name, or brand name designated, are included in Schedule IV.

(b) Narcotic drugs. Unless specifically excepted or unless listed in another schedule, any material, compound, mixture, or preparation containing any of the following narcotic drugs, or their salts calculated as the free anhydrous base or alkaloid, in limited quantities as set forth below:

(1) Not more than 1 milligram of difenoxin and not less than 25 micrograms of atropine sulfate per dosage unit.

(2) Dextropropoxyphene (alpha-(+)-e-dimethylamino-1,2-diphenyl-3-methyl-2 propionoxybutane).

(c) Depressants. Unless specifically excepted or unless listed in another schedule, any material, compound, mixture, or preparation which contains any quantity of the following substances, including its salts, isomers, and salts of isomers whenever the existence of such salts, isomers, and salts of isomers is possible within the specific chemical designation:

- (1) Alprazolam;
- (2) Barbital;
- (3) Bromazepam;
- (4) Camazepam;
- (5) Chloral betaine;
- (6) Chloral hydrate;
- (7) Chlordiazepoxide;
- (8) Clobazam;
- (9) Clonazepam;
- (10) Clorazepate;
- (11) Clotiazepam;
- (12) Cloxazolam;

- (13) Delorazepam;
- (14) Diazepam;
- (15) Estazolam;
- (16) Ethchlorvynol;
- (17) Ethinamate;
- (18) Ethyl loflazepate;
- (19) Fludiazepam;
- (20) Flunitrazepam;
- (21) Flurazepam;
- (22) Halazepam;
- (23) Haloxazolam;
- (24) Ketazolam;
- (25) Loprazolam;
- (26) Lorazepam;
- (27) Lormetazepam;
- (28) Mebutamate;
- (29) Medazepam;
- (30) Meprobamate;
- (31) Methohexital;
- (32) Methylphenobarbital (mephobarbital);
- (33) Midazolam;
- (34) Nimetazepam;
- (35) Nitrazepam;
- (36) Nordiazepam;
- (37) Oxazepam;
- (38) Oxazolam;
- (39) Paraldehyde;
- (40) Petrichloral;
- (41) Phenobarbital;
- (42) Pinazepam;
- (43) Prazepam;
- (44) Quazepam;
- (45) Temazepam;
- (46) Tetrazepam;
- (47) Triazolam.
- (48) Zolpidem

(d) Fenfluramine. Any material, compound, mixture, or preparation which contains any quantity of the following substances, including its salts, isomers (whether optical, position or geometric), and salts of such isomers, whenever the existence of such salts, isomers and salts of isomers is possible.

(e) Stimulants. Unless specifically excepted or unless listed in another schedule, any material, compound, mixture, or preparation which contains any quantity of the following substances having a stimulant effect on the central nervous system, including its salts, isomers (whether optical, position, or geometric), and salts of such isomers whenever the existence of such salts, isomers, and salts of isomers is possible within the specific chemical designation:

- (1) Cathine ((+) - norpseudoephedrine);
- (2) Diethylpropion;
- (3) Fencamfamin;
- (4) Fenproporex;
- (5) Mazindol;
- (6) Mefenorex;
- (7) Pemoline (including organometallic complexes and chelates thereof);
- (8) Phentermine;
- (9) Pipradrol;
- (10) SPA ((-)-1-dimethylamino-1, 2-dephenylethane.

(f) Other substances. Unless specifically excepted or unless listed in another schedule, any material, compound, mixture, or preparation which contains any quantity of the following substances, including its salts:

- (1) Pentazocine;
- (2) Butorphanol.

Table of WAC Sections Affected as of 12/31/97

KEY TO TABLE

This table covers the current calendar year through this issue of the Register and should be used to locate rules amended, adopted, or repealed subsequent to the publication date of the latest WAC or Supplement.

Symbols:

- AMD = Amendment of existing section
- A/R = Amending and recodifying a section
- DECOD = Decodification of an existing section
- NEW = New section not previously codified
- OBJEC = Notice of objection by Joint Administrative Rules Review Committee
- PREP = Preproposal comments
- RE-AD = Readoption of existing section
- RECOD = Recodification of previously codified section
- REP = Repeal of existing section
- RESCIND = Rescind previous emergency rule
- REVIEW = Review of previously adopted rule

Suffixes:

- C = Continuance of previous proposal
 - E = Emergency action
 - P = Proposed action
 - S = Supplemental notice
 - W = Withdrawal of proposed action
 - XA = Expedited adoption
 - XR = Expedited repeal
- Note: These filings will appear in a special section of Issue 97-21
- No suffix means permanent action

WAC # shows the section number under which an agency rule is or will be codified in the Washington Administrative Code.

WSR # shows the issue of the Washington State Register where the document may be found; the last three digits identify the document within the issue.

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
1-21-010	AMD-P	97-12-068	16-46-001	REP	97-18-042	16-156	PREP	97-16-066
1-21-010	AMD	97-15-035	16-46-005	PREP-X	97-14-048	16-156	AMD-C	97-23-032
1-21-020	AMD-P	97-12-068	16-46-005	REP	97-18-042	16-156-060	AMD-P	97-20-077
1-21-020	AMD	97-15-035	16-46-020	PREP-X	97-14-048	16-156-060	AMD	97-24-006
1-21-070	AMD-P	97-12-068	16-46-020	REP	97-18-042	16-158	PREP	97-15-028
1-21-070	AMD	97-15-035	16-46-030	PREP-X	97-14-048	16-158-010	AMD-P	97-22-102
1-21-170	AMD-P	97-12-068	16-46-030	REP	97-18-042	16-158-010	AMD	98-01-221
1-21-170	AMD	97-15-035	16-46-035	PREP-X	97-14-048	16-158-020	AMD-P	97-22-102
1-21-180	AMD-P	97-12-068	16-46-035	REP	97-18-042	16-158-020	AMD	98-01-221
1-21-180	AMD	97-15-035	16-46-040	PREP-X	97-14-048	16-158-025	REP-P	97-22-102
4-25-410	PREP	97-22-072	16-46-040	REP	97-18-042	16-158-025	REP	98-01-221
4-25-410	AMD-P	98-01-224	16-46-045	PREP-X	97-14-048	16-158-027	AMD-P	97-22-102
4-25-520	PREP	97-22-073	16-46-045	REP	97-18-042	16-158-027	AMD	98-01-221
4-25-520	AMD-P	98-01-225	16-46-070	PREP-X	97-14-048	16-158-028	NEW-P	97-22-102
4-25-540	PREP	97-22-074	16-46-070	REP	97-18-042	16-158-028	NEW	98-01-221
4-25-540	AMD-P	98-01-226	16-50-001	PREP-X	97-14-048	16-158-030	AMD-P	97-22-102
4-25-550	PREP	97-22-075	16-50-001	REP	97-18-042	16-158-030	AMD	98-01-221
4-25-550	AMD-P	98-01-227	16-50-010	PREP-X	97-14-048	16-158-040	AMD-P	97-22-102
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4-25-620	PREP	97-22-077	16-50-020	REP	97-18-042	16-158-050	AMD	98-01-221
4-25-620	AMD-P	98-01-229	16-100	PREP	98-02-013	16-158-060	AMD-P	97-22-102
4-25-622	PREP	97-22-078	16-101-800	NEW-P	97-15-115	16-158-060	AMD	98-01-221
4-25-622	AMD-P	98-01-230	16-101-800	NEW	97-19-045	16-158-080	AMD-P	97-22-102
4-25-625	REP-P	98-01-234	16-105-001	PREP-X	97-14-074	16-158-080	AMD	98-01-221
4-25-626	NEW-P	98-01-231	16-105-001	REP	97-18-041	16-158-090	AMD-P	97-22-102
4-25-627	REP-P	98-01-234	16-105-010	PREP-X	97-14-074	16-158-090	AMD	98-01-221
4-25-631	PREP	97-22-079	16-105-010	REP	97-18-041	16-158-100	AMD-P	97-22-102
4-25-631	AMD-P	98-01-232	16-105-020	PREP-X	97-14-074	16-158-100	AMD	98-01-221
4-25-810	PREP	97-22-080	16-105-020	REP	97-18-041	16-158-120	AMD-P	97-22-102
4-25-810	AMD-P	98-01-233	16-105-030	PREP-X	97-14-074	16-158-120	AMD	98-01-221
16-08-031	AMD-P	97-08-086	16-105-030	REP	97-18-041	16-158-130	AMD-P	97-22-102
16-08-031	AMD	97-14-050	16-139-001	NEW-P	97-22-031	16-158-130	AMD	98-01-221
16-08-141	AMD-P	97-08-086	16-139-001	NEW	98-02-023	16-158-135	NEW-P	97-22-102
16-08-141	AMD	97-14-050	16-139-005	NEW-P	97-22-031	16-158-135	NEW	98-01-221
16-08-171	AMD-P	97-08-086	16-139-005	NEW	98-02-023	16-158-140	REP-P	97-22-102
16-08-171	AMD	97-14-050	16-139-010	NEW-P	97-22-031	16-158-140	REP	98-01-221
16-34-001	PREP-X	97-14-048	16-139-010	NEW	98-02-023	16-162	PREP	97-04-065
16-34-001	REP	97-18-042	16-139-020	NEW-P	97-22-031	16-162-010	AMD-P	97-20-078
16-34-010	PREP-X	97-14-048	16-139-020	NEW	98-02-023	16-162-010	AMD	97-24-007
16-34-010	REP	97-18-042	16-139-030	NEW-P	97-22-031	16-162-025	AMD-P	97-20-078
16-34-020	PREP-X	97-14-048	16-139-030	NEW	98-02-023	16-162-025	AMD	97-24-007
16-34-020	REP	97-18-042	16-139-040	NEW-P	97-22-031	16-162-030	AMD-P	97-20-078
16-34-030	PREP-X	97-14-048	16-139-040	NEW	98-02-023	16-162-030	AMD	97-24-007
16-34-030	REP	97-18-042	16-139-050	NEW-P	97-22-031	16-162-031	REP-P	97-20-078
16-34-040	PREP-X	97-14-048	16-139-050	NEW	98-02-023	16-162-031	REP	97-24-007
16-34-040	REP	97-18-042	16-139-060	NEW-P	97-22-031	16-162-032	REP-P	97-20-078
16-46-001	PREP-X	97-14-048	16-139-060	NEW	98-02-023	16-162-032	REP	97-24-007

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
16-162-033	REP-P	97-20-078	16-324-398	NEW	97-11-028	16-473-010	NEW-P	97-05-059
16-162-033	REP	97-24-007	16-324-400	REP-P	97-07-075	16-473-010	NEW	97-11-015
16-162-034	NEW-P	97-20-078	16-324-400	REP	97-11-028	16-473-015	NEW-P	97-04-090
16-162-034	NEW	97-24-007	16-324-401	NEW-P	97-07-075	16-473-015	NEW-W	97-05-058
16-162-036	NEW-P	97-20-078	16-324-401	NEW	97-11-028	16-473-015	NEW-P	97-05-059
16-162-036	NEW	97-24-007	16-324-402	NEW-P	97-07-075	16-473-015	NEW	97-11-015
16-162-037	NEW-P	97-20-078	16-324-402	NEW	97-11-028	16-473-020	NEW-P	97-04-090
16-162-037	NEW	97-24-007	16-324-402	NEW	97-11-028	16-473-020	NEW-W	97-05-058
16-162-040	NEW-P	97-20-078	16-324-409	NEW-P	97-07-075	16-473-020	NEW-P	97-05-059
16-162-040	NEW	97-24-007	16-324-409	NEW	97-11-028	16-473-020	NEW-P	97-05-059
16-162-045	NEW-P	97-20-078	16-324-410	REP-P	97-07-075	16-473-020	NEW-P	97-11-015
16-162-045	NEW	97-24-007	16-324-410	REP	97-11-028	16-473-025	NEW-P	97-04-090
16-162-050	AMD-P	97-20-078	16-324-410	REP	97-11-028	16-473-025	NEW-W	97-05-058
16-162-050	AMD	97-24-007	16-324-420	AMD-P	97-07-075	16-473-025	NEW-P	97-05-059
16-162-070	AMD-P	97-20-078	16-324-420	AMD	97-11-028	16-473-025	NEW-P	97-05-059
16-162-070	AMD	97-24-007	16-324-430	REP-P	97-07-075	16-473-025	NEW	97-11-015
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16-168-020	AMD-P	97-24-073	16-324-445	REP-P	97-07-075	16-532-040	AMD-P	97-09-095
16-168-030	AMD-P	97-24-073	16-324-445	REP	97-11-028	16-532-040	AMD	97-17-096
16-168-040	AMD-P	97-24-073	16-324-446	NEW-P	97-07-075	16-532-110	AMD-P	97-09-095
16-168-050	AMD-P	97-24-073	16-324-446	NEW	97-11-028	16-532-110	AMD	97-17-096
16-168-060	AMD-P	97-24-073	16-324-450	REP-P	97-07-075	16-532-120	AMD-P	97-09-095
16-168-070	AMD-P	97-24-073	16-324-450	REP	97-11-028	16-532-120	AMD	97-17-096
16-168-075	NEW-P	97-24-073	16-324-460	REP-P	97-07-075	16-536-040	PREP	97-08-083
16-168-080	AMD-P	97-24-073	16-324-460	REP	97-11-028	16-536-040	AMD-P	97-11-085
16-168-090	AMD-P	97-24-073	16-324-470	REP-P	97-07-075	16-536-040	AMD-C	97-15-151
16-168-100	AMD-P	97-24-073	16-324-470	REP	97-11-028	16-536-040	AMD-W	97-24-005
16-218-02001	AMD	97-05-003	16-324-470	REP-P	97-07-075	16-573	NEW-C	97-17-063
16-230-835	AMD-P	97-02-094	16-324-480	REP-P	97-07-075	16-573-010	NEW-P	97-11-084
16-230-835	AMD-W	97-06-003	16-324-480	REP	97-11-028	16-573-010	NEW-C	97-19-002
16-230-862	AMD-P	97-02-094	16-324-490	REP-P	97-07-075	16-573-010	NEW-C	97-19-002
16-230-862	AMD-W	97-06-003	16-324-490	REP	97-11-028	16-573-020	NEW-P	97-11-084
16-316-474	AMD-P	97-11-050	16-324-500	REP-P	97-07-075	16-573-020	NEW-C	97-19-002
16-316-474	AMD	97-16-026	16-324-500	REP	97-11-028	16-573-030	NEW-P	97-11-084
16-316-715	AMD-P	97-11-050	16-324-510	REP-P	97-07-075	16-573-030	NEW-C	97-19-002
16-316-715	AMD	97-16-026	16-324-510	REP	97-11-028	16-573-030	NEW-C	97-19-002
16-316-724	AMD-P	97-11-050	16-324-510	REP	97-11-028	16-573-040	NEW-P	97-11-084
16-316-724	AMD	97-16-026	16-324-520	REP-P	97-07-075	16-573-040	NEW-C	97-19-002
16-324-360	REP-P	97-07-075	16-324-520	REP	97-11-028	16-573-041	NEW-P	97-11-084
16-324-360	REP	97-11-028	16-324-530	REP-P	97-07-075	16-573-041	NEW-C	97-19-002
16-324-361	NEW-P	97-07-075	16-324-530	REP	97-11-028	16-573-050	NEW-P	97-11-084
16-324-361	NEW	97-11-028	16-324-540	REP-P	97-07-075	16-573-050	NEW-C	97-19-002
16-324-370	AMD-P	97-07-075	16-324-540	REP	97-11-028	16-573-060	NEW-P	97-11-084
16-324-370	AMD	97-11-028	16-324-540	REP	97-11-028	16-573-060	NEW-C	97-19-002
16-324-375	AMD-P	97-07-075	16-324-600	REP-P	97-07-075	16-573-060	NEW-C	97-19-002
16-324-375	AMD	97-11-028	16-324-600	REP	97-11-028	16-573-070	NEW-P	97-11-084
16-324-380	REP-P	97-07-075	16-324-605	REP-P	97-07-075	16-573-070	NEW-C	97-19-002
16-324-380	REP	97-11-028	16-324-605	REP	97-11-028	16-573-080	NEW-P	97-11-084
16-324-381	NEW-P	97-07-075	16-324-610	REP-P	97-07-075	16-573-080	NEW-C	97-19-002
16-324-381	NEW	97-11-028	16-324-610	REP	97-11-028	16-580	PREP	97-10-098
16-324-382	NEW-P	97-07-075	16-324-620	REP-P	97-07-075	16-580	AMD-C	97-17-095
16-324-382	NEW	97-11-028	16-324-620	REP	97-11-028	16-580-020	AMD-P	97-14-102
16-324-390	REP-P	97-07-075	16-324-630	REP-P	97-07-075	16-580-020	AMD	97-21-110
16-324-390	REP	97-11-028	16-324-630	REP	97-11-028	16-580-040	AMD-P	97-14-102
16-324-391	NEW-P	97-07-075	16-324-650	REP-P	97-07-075	16-580-040	AMD	97-21-110
16-324-391	NEW	97-11-028	16-324-650	REP	97-11-028	16-602-026	NEW-P	97-20-152
16-324-392	NEW-P	97-07-075	16-324-660	REP-P	97-07-075	16-602-026	NEW	97-24-066
16-324-392	NEW	97-11-028	16-324-660	REP	97-11-028	16-602-045	NEW-P	97-20-152
16-324-393	NEW-P	97-07-075	16-324-670	REP-P	97-07-075	16-602-045	NEW	97-24-066
16-324-393	NEW	97-11-028	16-324-670	REP	97-11-028	16-602-050	NEW-P	97-20-152
16-324-394	NEW-P	97-07-075	16-324-680	REP-P	97-07-075	16-602-050	NEW	97-24-066
16-324-394	NEW	97-11-028	16-324-680	REP	97-11-028	16-650-001	PREP-X	97-14-049
16-324-395	NEW-P	97-07-075	16-354	PREP	97-24-098	16-650-001	REP	97-18-040
16-324-395	NEW	97-11-028	16-409-020	AMD-S	97-02-098	16-654-030	PREP-X	97-14-049
16-324-396	NEW-P	97-07-075	16-409-020	AMD	97-05-054	16-654-030	REP	97-18-040
16-324-396	NEW	97-11-028	16-459-010	AMD-E	97-03-063	16-654-040	PREP-X	97-14-049
16-324-397	NEW-P	97-07-075	16-470-100	AMD-P	97-04-089	16-654-040	REP	97-18-040
16-324-397	NEW	97-11-028	16-470-100	AMD	97-09-098	16-654-050	PREP-X	97-14-049
16-324-397	NEW-P	97-07-075	16-473-001	NEW-P	97-04-090	16-654-050	REP	97-18-040
16-324-397	NEW	97-11-028	16-473-001	NEW-W	97-05-058	16-654-060	PREP-X	97-14-049
16-324-398	NEW-P	97-07-075	16-473-001	NEW-P	97-05-059	16-654-060	REP	97-18-040
			16-473-001	NEW	97-11-015	16-660-001	PREP-X	97-14-049
			16-473-010	NEW-P	97-04-090	16-660-001	REP	97-18-040
			16-473-010	NEW-W	97-05-058	16-660-010	PREP-X	97-14-049

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
16-660-010	REP	97-18-040	16-695-015	NEW-E	97-04-020	16-752-315	AMD-E	97-17-048
16-662	AMD-P	97-09-080	16-695-015	NEW-P	97-20-086	16-752-315	AMD-P	97-21-134
16-662	AMD	97-12-075	16-695-015	NEW	97-23-059	16-752-315	AMD	98-01-056
16-662-070	REP-P	97-09-080	16-695-020	NEW-E	97-04-020	16-752-315	AMD-E	98-01-057
16-662-070	REP	97-12-075	16-695-020	NEW-P	97-20-086	16-752-320	AMD-E	97-17-048
16-662-071	REP-P	97-09-080	16-695-020	NEW	97-23-059	16-752-320	AMD-P	97-21-134
16-662-071	REP	97-12-075	16-695-025	NEW-E	97-04-020	16-752-320	AMD	98-01-056
16-662-100	NEW-P	97-09-080	16-695-025	NEW-P	97-20-086	16-752-320	AMD-E	98-01-057
16-662-100	NEW	97-12-075	16-695-025	NEW	97-23-059	16-752-330	AMD-E	97-17-048
16-662-105	NEW-P	97-09-080	16-695-030	NEW-E	97-04-020	16-752-330	AMD-P	97-21-134
16-662-105	NEW	97-12-075	16-695-030	NEW-P	97-20-086	16-752-330	AMD	98-01-056
16-662-110	NEW-P	97-09-080	16-695-030	NEW	97-23-059	16-752-330	AMD-E	98-01-057
16-662-110	NEW	97-12-075	16-695-035	NEW-E	97-04-020	25-18-010	PREP-XR	97-20-038
16-662-115	NEW-P	97-09-080	16-695-035	NEW-P	97-20-086	25-18-020	PREP-XR	97-20-038
16-662-115	NEW	97-12-075	16-695-035	NEW	97-23-059	25-18-030	PREP-XR	97-20-038
16-664-010	NEW-P	97-09-102	16-695-040	NEW-E	97-04-020	25-18-040	PREP-XR	97-20-038
16-664-010	NEW	97-12-076	16-695-040	NEW-P	97-20-086	25-18-050	PREP-XR	97-20-038
16-664-020	NEW-P	97-09-102	16-695-040	NEW	97-23-059	25-18-060	PREP-XR	97-20-038
16-664-020	NEW	97-12-076	16-695-045	NEW-E	97-04-020	25-18-070	PREP-XR	97-20-038
16-664-030	NEW-P	97-09-102	16-695-045	NEW-P	97-20-086	25-18-080	PREP-XR	97-20-038
16-664-030	NEW	97-12-076	16-695-045	NEW	97-23-059	25-18-090	PREP-XR	97-20-038
16-664-040	NEW-P	97-09-102	16-695-050	NEW-E	97-04-020	25-18-100	PREP-XR	97-20-038
16-664-040	NEW	97-12-076	16-695-050	NEW-P	97-20-086	25-18-110	PREP-XR	97-20-038
16-664-040	AMD-XA	97-20-127	16-695-050	NEW	97-23-059	25-18-120	PREP-XR	97-20-038
16-664-040	AMD	98-01-014	16-695-055	NEW-E	97-04-020	25-18-130	PREP-XR	97-20-038
16-664-050	NEW-P	97-09-102	16-695-055	NEW-P	97-20-086	25-30-010	PREP-X	97-14-010
16-664-050	NEW	97-12-076	16-695-055	NEW	97-23-059	25-30-010	REP	97-19-018
16-664-060	NEW-P	97-09-102	16-695-060	NEW-E	97-04-020	25-30-020	PREP-X	97-14-010
16-664-060	NEW	97-12-076	16-695-060	NEW-P	97-20-086	25-30-020	REP	97-19-018
16-666-002	PREP-X	97-14-049	16-695-060	NEW	97-23-059	25-30-030	PREP-X	97-14-010
16-666-002	REP	97-18-040	16-695-065	NEW-E	97-04-020	25-30-030	REP	97-19-018
16-666-003	PREP-X	97-14-049	16-695-065	NEW-P	97-20-086	25-30-040	PREP-X	97-14-010
16-666-003	REP	97-18-040	16-695-065	NEW	97-23-059	25-30-040	REP	97-19-018
16-666-030	PREP-X	97-14-049	16-695-070	NEW-E	97-04-020	25-30-050	PREP-X	97-14-010
16-666-030	REP	97-18-040	16-695-070	NEW-P	97-20-086	25-30-050	REP	97-19-018
16-666-040	PREP-X	97-14-049	16-695-070	NEW	97-23-059	25-36-010	PREP-XR	97-20-039
16-666-040	REP	97-18-040	16-695-075	NEW-E	97-04-020	25-36-020	PREP-XR	97-20-039
16-666-040	REP	97-18-040	16-695-075	NEW-P	97-20-086	25-36-030	PREP-XR	97-20-039
16-666-050	PREP-X	97-14-049	16-695-075	NEW-P	97-20-086	25-36-030	PREP-XR	97-20-039
16-666-050	REP	97-18-040	16-695-075	NEW	97-23-059	25-36-040	PREP-XR	97-20-039
16-666-060	PREP-X	97-14-049	16-695-080	NEW-E	97-04-020	25-36-050	PREP-XR	97-20-039
16-666-060	REP	97-18-040	16-695-080	NEW-P	97-20-086	25-36-060	PREP-XR	97-20-039
16-666-070	PREP-X	97-14-049	16-695-080	NEW	97-23-059	25-36-070	PREP-XR	97-20-039
16-666-070	REP	97-18-040	16-700-010	AMD	97-04-078	25-36-080	PREP-XR	97-20-039
16-666-080	PREP-X	97-14-049	16-700-021	AMD-S	97-04-077	25-36-090	PREP-XR	97-20-039
16-666-080	REP	97-18-040	16-700-021	AMD	97-04-078	25-36-100	PREP-XR	97-20-039
16-666-090	PREP-X	97-14-049	16-700-021	AMD-C	97-09-025	25-36-110	PREP-XR	97-20-039
16-666-090	REP	97-18-040	16-700-021	AMD	97-12-028	25-36-120	PREP-XR	97-20-039
16-666-100	PREP-X	97-14-049	16-700-040	AMD	97-04-078	25-36-130	PREP-XR	97-20-039
16-666-100	REP	97-18-040	16-700-050	AMD	97-04-078	44-06-030	AMD-P	97-21-123
16-666-110	PREP-X	97-14-049	16-700-060	AMD	97-04-078	44-06-030	AMD	98-01-013
16-666-110	REP	97-18-040	16-700-060	AMD	97-04-078	44-06-040	AMD-P	97-21-123
16-666-120	PREP-X	97-14-049	16-700-080	AMD	97-04-078	44-06-040	AMD	98-01-013
16-666-120	REP	97-18-040	16-750	PREP	97-12-019	44-06-050	AMD-P	97-21-123
16-666-130	PREP-X	97-14-049	16-750-003	AMD	97-06-108	44-06-050	AMD	98-01-013
16-666-130	REP	97-18-040	16-750-005	AMD-P	97-20-138	44-06-060	AMD-P	97-21-123
16-670-001	PREP-X	97-14-049	16-750-005	AMD	97-24-051	44-06-060	AMD	98-01-013
16-670-001	REP	97-18-040	16-750-011	AMD	97-06-108	44-06-080	AMD-P	97-21-123
16-670-010	PREP-X	97-14-049	16-750-011	AMD-P	97-20-138	44-06-080	AMD-P	97-21-123
16-670-010	REP	97-18-040	16-750-011	AMD	97-24-051	44-06-080	AMD	98-01-013
16-675-010	AMD-P	97-09-103	16-750-011	AMD	97-24-051	44-06-085	AMD-P	97-21-123
16-675-010	AMD	97-12-024	16-750-015	AMD	97-06-108	44-06-085	AMD	98-01-013
16-675-020	AMD-P	97-09-103	16-750-020	AMD	97-06-108	44-06-090	AMD-P	97-21-123
16-675-020	AMD	97-12-024	16-750-130	AMD	97-06-108	44-06-090	AMD	98-01-013
16-675-030	AMD-P	97-09-103	16-752-300	AMD-E	97-17-048	44-06-140	AMD-P	97-21-123
16-675-030	AMD	97-12-024	16-752-300	AMD-P	97-21-134	44-06-140	AMD	98-01-013
16-675-040	AMD-P	97-09-103	16-752-300	AMD	98-01-056	44-06-150	AMD	98-01-013
16-675-040	AMD	97-12-024	16-752-300	AMD-E	98-01-057	44-06-150	AMD-P	97-21-123
16-695-005	NEW-E	97-04-020	16-752-305	AMD-E	97-17-048	44-06-150	AMD	98-01-013
16-695-005	NEW-P	97-20-086	16-752-305	AMD-P	97-21-134	51-04	PREP	97-14-112
16-695-005	NEW	97-23-059	16-752-305	AMD	98-01-056	51-04-015	AMD-P	97-16-093
16-695-010	NEW-E	97-04-020	16-752-305	AMD-E	98-01-057	51-04-070	AMD-P	97-16-093
16-695-010	NEW-P	97-20-086	16-752-310	AMD-E	97-17-048	51-06	PREP	97-14-112
16-695-010	NEW	97-23-059	16-752-310	AMD-P	97-21-134	51-06-020	AMD-P	97-16-094
16-695-010	NEW	97-23-059	16-752-310	AMD	98-01-056	51-06-120	AMD-P	97-16-094
			16-752-310	AMD-E	98-01-057	51-11-0101	AMD-P	97-16-110

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
51-11-0104	AMD-P	97-16-110	51-26-0310	REP-P	97-16-114	51-30-1014	REP-P	97-16-111
51-11-0201	AMD-P	97-16-110	51-26-0315	REP-P	97-16-114	51-30-1019	REP-P	97-16-111
51-11-0402	AMD-P	97-16-110	51-26-0400	REP-P	97-16-114	51-30-1030	REP-P	97-16-111
51-11-0502	AMD-P	97-16-110	51-26-0401	REP-P	97-16-114	51-30-1100	REP-P	97-16-111
51-11-0503	AMD-P	97-16-110	51-26-0500	REP-P	97-16-114	51-30-1101	REP-P	97-16-111
51-11-0504	AMD-P	97-16-110	51-26-0503	REP-P	97-16-114	51-30-1102	REP-P	97-16-111
51-11-0505	AMD-P	97-16-110	51-26-0909	REP-P	97-16-114	51-30-1103	REP-P	97-16-111
51-11-0525	AMD-P	97-16-110	51-26-1000	REP-P	97-16-114	51-30-1104	REP-P	97-16-111
51-11-0527	AMD-P	97-16-110	51-26-1004	REP-P	97-16-114	51-30-1105	REP-P	97-16-111
51-11-0530	AMD-P	97-16-110	51-26-1007	REP-P	97-16-114	51-30-1106	REP-P	97-16-111
51-11-0541	AMD-P	97-16-110	51-26-1009	REP-P	97-16-114	51-30-1107	REP-P	97-16-111
51-11-0602	AMD-P	97-16-110	51-26-1020	REP-P	97-16-114	51-30-1108	REP-P	97-16-111
51-11-0605	AMD-P	97-16-110	51-26-1301	REP-P	97-16-114	51-30-1109	REP-P	97-16-111
51-11-0606	REP-P	97-16-110	51-26-1800	REP-P	97-16-114	51-30-1110	REP-P	97-16-111
51-11-0607	REP-P	97-16-110	51-26-1801	REP-P	97-16-114	51-30-1111	REP-P	97-16-111
51-11-0608	REP-P	97-16-110	51-26-1802	REP-P	97-16-114	51-30-1112	REP-P	97-16-111
51-11-0625	AMD-P	97-16-110	51-26-1803	REP-P	97-16-114	51-30-1113	REP-P	97-16-111
51-11-0626	AMD-P	97-16-110	51-26-1804	REP-P	97-16-114	51-30-1114	REP-P	97-16-111
51-11-0627	AMD-P	97-16-110	51-26-1810	REP-P	97-16-114	51-30-1120	REP-P	97-16-111
51-11-0628	AMD-P	97-16-110	51-26-1820	REP-P	97-16-114	51-30-1121	REP-P	97-16-111
51-11-0629	AMD-P	97-16-110	51-26-1830	REP-P	97-16-114	51-30-1122	REP-P	97-16-111
51-11-0630	AMD-P	97-16-110	51-26-1840	REP-P	97-16-114	51-30-1123	REP-P	97-16-111
51-11-0701	AMD-P	97-16-110	51-26-1845	REP-P	97-16-114	51-30-1124	REP-P	97-16-111
51-11-0800	AMD-P	97-16-110	51-26-2200	REP-P	97-16-114	51-30-1125	REP-P	97-16-111
51-11-1002	AMD-P	97-16-110	51-26-2300	REP-P	97-16-114	51-30-1200	REP-P	97-16-111
51-11-1003	AMD-P	97-16-110	51-26-2301	REP-P	97-16-114	51-30-1203	REP-P	97-16-111
51-11-1004	AMD-P	97-16-110	51-27	PREP	97-06-107	51-30-1600	REP-P	97-16-111
51-11-1005	AMD-P	97-16-110	51-27-001	NEW-P	97-16-114	51-30-1614	REP-P	97-16-111
51-11-1006	AMD-P	97-16-110	51-27-002	NEW-P	97-16-114	51-30-1700	REP-P	97-16-111
51-11-1007	AMD-P	97-16-110	51-27-003	NEW-P	97-16-114	51-30-1702	REP-P	97-16-111
51-11-1008	AMD-P	97-16-110	51-27-004	NEW-P	97-16-114	51-30-1900	REP-P	97-16-111
51-11-1009	AMD-P	97-16-110	51-27-008	NEW-P	97-16-114	51-30-1909	REP-P	97-16-111
51-11-1010	REP-P	97-16-110	51-30-001	REP-P	97-16-111	51-30-2200	REP-P	97-16-111
51-11-1120	AMD-P	97-16-110	51-30-002	REP-P	97-16-111	51-30-2211	REP-P	97-16-111
51-11-1130	AMD-P	97-16-110	51-30-003	REP-P	97-16-111	51-30-2400	REP-P	97-16-111
51-11-1132	AMD-P	97-16-110	51-30-004	REP-P	97-16-111	51-30-2406	REP-P	97-16-111
51-11-1133	AMD-P	97-16-110	51-30-005	REP-P	97-16-111	51-30-2900	REP-P	97-16-111
51-11-1210	AMD	97-03-017	51-30-007	REP-P	97-16-111	51-30-2902	REP-P	97-16-111
51-11-1210	AMD-P	97-16-110	51-30-008	REP-P	97-16-111	51-30-2903	REP-P	97-16-111
51-11-1301	AMD	97-03-017	51-30-009	REP-P	97-16-111	51-30-2904	REP-P	97-16-111
51-11-1310	AMD-P	97-16-110	51-30-0100	REP-P	97-16-111	51-30-2910	REP-P	97-16-111
51-11-1312	AMD-P	97-16-110	51-30-0104	REP-P	97-16-111	51-30-3102	REP-P	97-16-111
51-11-1322	AMD-P	97-16-110	51-30-0200	REP-P	97-16-111	51-30-31200	REP-P	97-16-111
51-11-1323	AMD-P	97-16-110	51-30-0204	REP-P	97-16-111	51-30-31201	REP-P	97-16-111
51-11-1331	AMD-P	97-16-110	51-30-0207	REP-P	97-16-111	51-30-31202	REP-P	97-16-111
51-11-1334	AMD-P	97-16-110	51-30-0217	REP-P	97-16-111	51-30-31203	REP-P	97-16-111
51-11-1411	AMD-P	97-16-110	51-30-0220	REP-P	97-16-111	51-30-31204	REP-P	97-16-111
51-11-1412	AMD-P	97-16-110	51-30-0300	REP-P	97-16-111	51-30-31205	REP-P	97-16-111
51-11-1414	AMD-P	97-16-110	51-30-0302	REP-P	97-16-111	51-30-31206	REP-P	97-16-111
51-11-1421	AMD-P	97-16-110	51-30-0304	REP-P	97-16-111	51-30-31207	REP-P	97-16-111
51-11-1422	AMD-P	97-16-110	51-30-0305	REP-P	97-16-111	51-30-31208	REP-P	97-16-111
51-11-1423	AMD-P	97-16-110	51-30-0307	REP-P	97-16-111	51-30-31209	REP-P	97-16-111
51-11-1433	AMD-P	97-16-110	51-30-0310	REP-P	97-16-111	51-30-31210	REP-P	97-16-111
51-11-1452	AMD-P	97-16-110	51-30-0313	REP-P	97-16-111	51-30-3400	REP-P	97-16-111
51-11-1454	AMD-P	97-16-110	51-30-0400	REP-P	97-16-111	51-30-3404	REP-P	97-16-111
51-11-1512	AMD-P	97-16-110	51-30-0403	REP-P	97-16-111	51-30-93115	REP-P	97-16-111
51-11-1530	AMD-P	97-16-110	51-30-0405	REP-P	97-16-111	51-30-93116	REP-P	97-16-111
51-11-1701	AMD-P	97-16-110	51-30-0500	REP-P	97-16-111	51-30-93117	REP-P	97-16-111
51-11-2005	AMD-P	97-16-110	51-30-0510	REP-P	97-16-111	51-30-93118	REP-P	97-16-111
51-11-2006	AMD-P	97-16-110	51-30-0600	REP-P	97-16-111	51-30-93119	REP-P	97-16-111
51-11-2007	AMD-P	97-16-110	51-30-0601	REP-P	97-16-111	51-30-93120	REP-P	97-16-111
51-11-99903	AMD-P	97-16-110	51-30-0800	REP-P	97-16-111	51-32	PREP	97-03-086
51-11-99904	AMD-P	97-16-110	51-30-0804	REP-P	97-16-111	51-32-001	REP-P	97-16-115
51-13-106	AMD-P	97-16-112	51-30-0900	REP-P	97-16-111	51-32-002	REP-P	97-16-115
51-13-402	AMD-P	97-16-112	51-30-0902	REP-P	97-16-111	51-32-003	REP-P	97-16-115
51-13-502	AMD-P	97-16-112	51-30-0904	REP-P	97-16-111	51-32-004	REP-P	97-16-115
51-26	PREP	97-06-107	51-30-1000	REP-P	97-16-111	51-32-005	REP-P	97-16-115
51-26-001	REP-P	97-16-114	51-30-1001	REP-P	97-16-111	51-32-007	REP-P	97-16-115
51-26-002	REP-P	97-16-114	51-30-1004	REP-P	97-16-111	51-32-008	REP-P	97-16-115
51-26-003	REP-P	97-16-114	51-30-1005	REP-P	97-16-111	51-32-0200	REP-P	97-16-115
51-26-004	REP-P	97-16-114	51-30-1006	REP-P	97-16-111	51-32-0223	REP-P	97-16-115
51-26-008	REP-P	97-16-114	51-30-1007	REP-P	97-16-111	51-32-0300	REP-P	97-16-115
51-26-0300	REP-P	97-16-114	51-30-1009	REP-P	97-16-111	51-32-0327	REP-P	97-16-115

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51-44-2500	NEW-P	97-16-113	51-46-0814	NEW-P	97-16-114	112-10-050	NEW	97-21-066
51-44-5200	NEW-P	97-16-113	51-46-0815	NEW-P	97-16-114	112-10-060	NEW-E	97-13-061
51-44-6100	NEW-P	97-16-113	51-46-0900	NEW-P	97-16-114	112-10-060	NEW-P	97-15-145
51-44-6300	NEW-P	97-16-113	51-46-0903	NEW-P	97-16-114	112-10-060	NEW	97-21-066
51-44-7404	NEW-P	97-16-113	51-46-1000	NEW-P	97-16-114	118-40	PREP	97-20-118
51-44-7802	NEW-P	97-16-113	51-46-1003	NEW-P	97-16-114	118-40-010	AMD-P	97-23-066
51-44-7900	NEW-P	97-16-113	51-46-1012	NEW-P	97-16-114	118-40-020	AMD-P	97-23-066
51-44-8000	NEW-P	97-16-113	51-46-1012	NEW-P	97-16-114	118-40-030	AMD-P	97-23-066
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51-45-002	NEW-P	97-16-113	51-46-1302	NEW-P	97-16-114	118-40-050	AMD-P	97-23-066
51-45-003	NEW-P	97-16-113	51-46-1303	NEW-P	97-16-114	118-40-060	AMD-P	97-23-066
51-45-007	NEW-P	97-16-113	51-46-1304	NEW-P	97-16-114	118-40-070	AMD-P	97-23-066
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51-45-80400	NEW-P	97-16-113	51-46-1400	NEW-P	97-16-114	118-40-090	REP-P	97-23-066
51-46-001	NEW-P	97-16-114	51-46-1401	NEW-P	97-16-114	118-40-100	REP-P	97-23-066
51-46-002	NEW-P	97-16-114	51-46-1491	NEW-P	97-16-114	118-40-150	AMD-P	97-23-066
51-46-003	NEW-P	97-16-114	51-46-97120	NEW-P	97-16-114	118-40-160	AMD-P	97-23-066
51-46-007	NEW-P	97-16-114	51-46-97121	NEW-P	97-16-114	118-40-170	AMD-P	97-23-066
51-46-008	NEW-P	97-16-114	51-46-97122	NEW-P	97-16-114	118-40-180	AMD-P	97-23-066
51-46-0100	NEW-P	97-16-114	51-46-97123	NEW-P	97-16-114	118-40-190	REP-P	97-23-066
51-46-0101	NEW-P	97-16-114	51-46-97124	NEW-P	97-16-114	118-40-300	AMD-P	97-23-066
51-46-0102	NEW-P	97-16-114	51-46-97125	NEW-P	97-16-114	118-40-400	AMD-P	97-23-066
51-46-0103	NEW-P	97-16-114	51-46-97126	NEW-P	97-16-114	118-65-010	RECOD	98-01-064
51-46-0200	NEW-P	97-16-114	51-46-97127	NEW-P	97-16-114	118-65-020	RECOD	98-01-064
51-46-0205	NEW-P	97-16-114	51-46-97128	NEW-P	97-16-114	118-65-030	RECOD	98-01-064
51-46-0215	NEW-P	97-16-114	51-46-97129	NEW-P	97-16-114	118-65-040	RECOD	98-01-064
51-46-0218	NEW-P	97-16-114	51-47-001	NEW-P	97-16-114	118-65-050	RECOD	98-01-064
51-46-0300	NEW-P	97-16-114	51-47-002	NEW-P	97-16-114	118-65-060	RECOD	98-01-064
51-46-0301	NEW-P	97-16-114	51-47-003	NEW-P	97-16-114	118-65-070	RECOD	98-01-064
51-46-0310	NEW-P	97-16-114	51-47-007	NEW-P	97-16-114	118-65-081	RECOD	98-01-064
51-46-0311	NEW-P	97-16-114	51-47-008	NEW-P	97-16-114	118-65-090	RECOD	98-01-064
51-46-0313	NEW-P	97-16-114	82-16-010	PREP-XR	97-20-059	131	PREP	97-21-012
51-46-0314	NEW-P	97-16-114	82-16-010	REP	98-01-022	131-16	AMD-C	97-07-007
51-46-0316	NEW-P	97-16-114	82-16-020	PREP-XR	97-20-059	131-16-010	AMD-E	97-07-006
51-46-0392	NEW-P	97-16-114	82-16-020	REP	98-01-022	131-16-010	AMD	97-10-069
51-46-0400	NEW-P	97-16-114	82-16-030	PREP-XR	97-20-059	131-16-010	AMD-E	98-01-108
51-46-0402	NEW-P	97-16-114	82-16-030	REP	98-01-022	131-16-011	AMD-E	97-07-006
51-46-0412	NEW-P	97-16-114	82-16-040	PREP-XR	97-20-059	131-16-011	AMD	97-10-069
51-46-0413	NEW-P	97-16-114	82-16-040	REP	98-01-022	131-16-011	AMD-E	98-01-108
51-46-0500	NEW-P	97-16-114	82-16-050	PREP-XR	97-20-059	131-16-021	AMD-E	97-07-006
51-46-0501	NEW-P	97-16-114	82-16-050	REP	98-01-022	131-16-021	AMD	97-10-069
51-46-0502	NEW-P	97-16-114	82-16-060	PREP-XR	97-20-059	131-16-021	AMD-E	98-01-108
51-46-0505	NEW-P	97-16-114	82-16-060	REP	98-01-022	131-16-031	AMD-E	98-01-108
51-46-0507	NEW-P	97-16-114	82-16-070	PREP-XR	97-20-059	131-16-045	AMD-E	98-01-108
51-46-0509	NEW-P	97-16-114	82-16-070	REP	98-01-022	131-16-050	AMD-E	97-07-006
51-46-0512	NEW-P	97-16-114	82-16-080	PREP-XR	97-20-059	131-16-050	AMD	97-10-069
51-46-0513	NEW-P	97-16-114	82-16-080	REP	98-01-022	131-16-050	AMD-E	98-01-108
51-46-0514	NEW-P	97-16-114	82-16-090	PREP-XR	97-20-059	131-16-055	AMD-E	98-01-108
51-46-0515	NEW-P	97-16-114	82-16-090	REP	98-01-022	131-16-056	AMD-E	98-01-108
51-46-0516	NEW-P	97-16-114	82-16-100	PREP-XR	97-20-059	131-16-060	AMD-E	97-07-006
51-46-0517	NEW-P	97-16-114	82-16-100	REP	98-01-022	131-16-060	AMD	97-10-069
51-46-0518	NEW-P	97-16-114	82-16-900	PREP-XR	97-20-059	131-16-061	AMD-E	98-01-108
51-46-0519	NEW-P	97-16-114	82-16-900	REP	98-01-022	131-16-067	NEW-E	97-14-070
51-46-0520	NEW-P	97-16-114	82-16-9001	PREP-XR	97-20-059	131-16-067	NEW-P	97-16-089
51-46-0521	NEW-P	97-16-114	82-16-9001	REP	98-01-022	131-16-067	NEW	97-20-030
51-46-0522	NEW-P	97-16-114	82-50-021	AMD-P	97-10-079	131-16-068	NEW-E	97-14-070
51-46-0523	NEW-P	97-16-114	82-50-021	AMD	97-13-064	131-16-068	NEW-P	97-16-089
51-46-0524	NEW-P	97-16-114	98-70-010	AMD-P	97-20-058	131-16-068	NEW-P	97-20-030
51-46-0525	NEW-P	97-16-114	98-70-010	AMD	97-23-010	132E-111-010	PREP	97-08-080
51-46-0600	NEW-P	97-16-114	112-10-010	NEW-E	97-13-061	132E-121-010	PREP	97-08-080
51-46-0603	NEW-P	97-16-114	112-10-010	NEW-P	97-15-145	132E-121-010	AMD-P	97-11-068
51-46-0604	NEW-P	97-16-114	112-10-010	NEW	97-21-066	132E-121-010	AMD	97-24-056
51-46-0608	NEW-P	97-16-114	112-10-020	NEW-E	97-13-061	132E-133-020	PREP	97-08-081
51-46-0609	NEW-P	97-16-114	112-10-020	NEW-P	97-15-145	132E-133-020	AMD-P	97-11-069
51-46-0610	NEW-P	97-16-114	112-10-020	NEW	97-21-066	132E-133-020	AMD	97-24-055
51-46-0700	NEW-P	97-16-114	112-10-030	NEW-E	97-13-061	132H-160-052	AMD-E	97-22-012
51-46-0701	NEW-P	97-16-114	112-10-030	NEW-P	97-15-145	132H-160-052	AMD-XA	97-22-047
51-46-0704	NEW-P	97-16-114	112-10-030	NEW	97-21-066	132K-04	AMD-P	97-07-018
51-46-0710	NEW-P	97-16-114	112-10-040	NEW-E	97-13-061	132K-04	AMD	97-12-071
51-46-0713	NEW-P	97-16-114	112-10-040	NEW-P	97-15-145	132K-04-001	AMD-P	97-07-018
51-46-0793	NEW-P	97-16-114	112-10-040	NEW	97-21-066	132K-04-001	AMD	97-12-071
51-46-0800	NEW-P	97-16-114	112-10-050	NEW-E	97-13-061	132K-04-010	AMD-P	97-07-018
51-46-0810	NEW-P	97-16-114	112-10-050	NEW-P	97-15-145	132K-04-010	AMD	97-12-071

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132K-04-020	AMD	97-12-071	132N-120-100	NEW	97-17-013	132P-116-050	AMD	97-19-026
132K-04-030	AMD-P	97-07-018	132N-120-110	NEW-P	97-10-018	132P-116-060	AMD-P	97-14-101
132K-04-030	AMD	97-12-071	132N-120-110	NEW	97-17-013	132P-116-060	AMD	97-19-026
132K-04-050	AMD-P	97-07-018	132N-120-120	NEW-P	97-10-018	132P-116-070	AMD-P	97-14-101
132K-04-050	AMD	97-12-071	132N-120-120	NEW	97-17-013	132P-116-070	AMD	97-19-026
132K-04-070	REP-P	97-07-018	132N-120-130	NEW-P	97-10-018	132P-116-080	AMD-P	97-14-101
132K-04-070	REP	97-12-071	132N-120-130	NEW	97-17-013	132P-116-080	AMD	97-19-026
132K-04-080	AMD-P	97-07-018	132N-120-140	NEW-P	97-10-018	132P-116-090	REP-P	97-14-101
132K-04-080	AMD	97-12-071	132N-120-140	NEW	97-17-013	132P-116-090	REP	97-19-026
132K-04-110	AMD-P	97-07-018	132N-120-150	NEW-P	97-10-018	132P-116-100	AMD-P	97-14-101
132K-04-110	AMD	97-12-071	132N-120-150	NEW	97-17-013	132P-116-100	AMD	97-19-026
132K-04-130	AMD-P	97-07-018	132N-120-160	NEW-P	97-10-018	132P-116-110	AMD-P	97-14-101
132K-04-130	AMD	97-12-071	132N-120-160	NEW	97-17-013	132P-116-110	AMD	97-19-026
132K-08-010	REP-P	97-07-017	132N-120-170	NEW-P	97-10-018	132P-116-120	AMD-P	97-14-101
132K-08-010	REP	97-12-070	132N-120-170	NEW	97-17-013	132P-116-120	AMD	97-19-026
132N-20	PREP	97-06-008	132N-120-180	NEW-P	97-10-018	132P-116-130	AMD-P	97-14-101
132N-20-010	REP-P	97-10-018	132N-120-180	NEW	97-17-013	132P-116-130	AMD	97-19-026
132N-20-010	REP	97-17-013	132N-122	PREP	97-15-076	132P-116-140	AMD-P	97-14-101
132N-20-020	REP-P	97-10-018	132N-122-010	NEW-P	97-19-076	132P-116-140	AMD	97-19-026
132N-20-020	REP	97-17-013	132N-122-010	NEW	97-23-019	132P-116-150	AMD-P	97-14-101
132N-20-030	REP-P	97-10-018	132N-122-020	NEW-P	97-19-076	132P-116-150	AMD	97-19-026
132N-20-030	REP	97-17-013	132N-122-020	NEW	97-23-019	132P-116-160	REP-P	97-14-101
132N-20-040	REP-P	97-10-018	132N-122-030	NEW-P	97-19-076	132P-116-160	REP	97-19-026
132N-20-040	REP	97-17-013	132N-122-030	NEW	97-23-019	132P-116-170	AMD-P	97-14-101
132N-20-050	REP-P	97-10-018	132N-156	PREP	97-15-077	132P-116-170	AMD	97-19-026
132N-20-050	REP	97-17-013	132N-156-310	AMD-P	97-19-077	132P-116-200	AMD-P	97-14-101
132N-20-060	REP-P	97-10-018	132N-156-310	AMD	97-23-018	132P-116-200	AMD	97-19-026
132N-20-060	REP	97-17-013	132N-156-320	AMD-P	97-19-077	132P-116-210	AMD-P	97-14-101
132N-20-070	REP-P	97-10-018	132N-156-320	AMD	97-23-018	132P-116-210	AMD	97-19-026
132N-20-070	REP	97-17-013	132N-156-330	AMD-P	97-19-077	132P-116-220	AMD-P	97-14-101
132N-20-080	REP-P	97-10-018	132N-156-330	AMD	97-23-018	132P-116-220	AMD	97-19-026
132N-20-080	REP	97-17-013	132N-156-400	AMD-P	97-19-077	132P-116-230	AMD-P	97-14-101
132N-20-090	REP-P	97-10-018	132N-156-400	AMD	97-23-018	132P-116-230	AMD	97-19-026
132N-20-090	REP	97-17-013	132N-156-440	AMD-P	97-19-077	132P-116-240	AMD-P	97-14-101
132N-108-010	NEW-P	97-15-078	132N-156-440	AMD	97-23-018	132P-116-240	AMD	97-19-026
132N-108-010	NEW	97-19-078	132N-156-450	AMD-P	97-19-077	132P-116-250	AMD-P	97-14-101
132N-108-020	NEW-P	97-15-078	132N-156-450	AMD	97-23-018	132P-116-250	AMD	97-19-026
132N-108-020	NEW	97-19-078	132N-156-460	AMD-P	97-19-077	132P-116-260	AMD-P	97-14-101
132N-108-030	NEW-P	97-15-078	132N-156-460	AMD	97-23-018	132P-116-260	AMD	97-19-026
132N-108-030	NEW	97-19-078	132N-156-500	AMD-P	97-19-077	132P-116-270	AMD-P	97-14-101
132N-108-040	NEW-P	97-15-078	132N-156-500	AMD	97-23-018	132P-116-270	AMD	97-19-026
132N-108-040	NEW	97-19-078	132N-156-550	AMD-P	97-19-077	132P-116-280	AMD-P	97-14-101
132N-108-050	NEW-P	97-15-078	132N-156-550	AMD	97-23-018	132P-116-280	AMD	97-19-026
132N-108-050	NEW	97-19-078	132N-156-560	AMD-P	97-19-077	132P-116-290	AMD-P	97-14-101
132N-108-060	NEW-P	97-15-078	132N-156-560	AMD	97-23-018	132P-116-290	AMD	97-19-026
132N-108-060	NEW	97-19-078	132N-156-600	AMD-P	97-19-077	132P-116-300	NEW-P	97-14-101
132N-108-070	NEW-P	97-15-078	132N-156-600	AMD	97-23-018	132P-116-300	NEW	97-19-026
132N-108-070	NEW	97-19-078	132N-156-620	AMD-P	97-19-077	132Q-06-030	AMD-P	97-19-022
132N-108-080	NEW-P	97-15-078	132N-156-620	AMD	97-23-018	132Q-06-030	AMD	97-24-023
132N-108-080	NEW	97-19-078	132N-156-630	AMD-P	97-19-077	132Q-20-020	AMD-P	97-19-022
132N-108-090	NEW-P	97-15-078	132N-156-630	AMD	97-23-018	132Q-20-020	AMD	97-24-023
132N-108-090	NEW	97-19-078	132N-156-635	NEW-P	97-19-077	132Q-94-125	AMD-P	97-19-022
132N-120-010	NEW-P	97-10-018	132N-156-635	NEW	97-23-018	132Q-94-125	AMD	97-24-023
132N-120-010	NEW	97-17-013	132N-156-650	AMD-P	97-19-077	132V-11-010	PREP	97-18-065
132N-120-020	NEW-P	97-10-018	132N-156-650	AMD	97-23-018	132V-12-003	REP-P	97-03-128
132N-120-020	NEW	97-17-013	132N-156-710	AMD-P	97-19-077	132V-12-003	REP	97-07-048
132N-120-030	NEW-P	97-10-018	132N-156-710	AMD	97-23-018	132V-12-006	REP-P	97-03-128
132N-120-030	NEW	97-17-013	132N-156-720	AMD-P	97-19-077	132V-12-006	REP	97-07-048
132N-120-040	NEW-P	97-10-018	132N-156-720	AMD	97-23-018	132V-12-009	REP-P	97-03-128
132N-120-040	NEW	97-17-013	132N-156-730	AMD-P	97-19-077	132V-12-009	REP	97-07-048
132N-120-050	NEW-P	97-10-018	132N-156-730	AMD	97-23-018	132V-12-012	REP-P	97-03-128
132N-120-050	NEW	97-17-013	132N-156-740	AMD-P	97-19-077	132V-12-012	REP	97-07-048
132N-120-060	NEW-P	97-10-018	132N-156-740	AMD	97-23-018	132V-12-015	REP-P	97-03-128
132N-120-060	NEW	97-17-013	132N-156-750	AMD-P	97-19-077	132V-12-015	REP	97-07-048
132N-120-065	NEW-P	97-10-018	132N-156-750	AMD	97-23-018	132V-12-018	REP-P	97-03-128
132N-120-065	NEW	97-17-013	132P-116	PREP	97-10-076	132V-12-018	REP	97-07-048
132N-120-070	NEW-P	97-10-018	132P-116-010	AMD-P	97-14-101	132V-12-021	REP-P	97-03-128
132N-120-070	NEW	97-17-013	132P-116-010	AMD	97-19-026	132V-12-021	REP	97-07-048
132N-120-080	NEW-P	97-10-018	132P-116-020	AMD-P	97-14-101	132V-12-024	REP-P	97-03-128
132N-120-080	NEW	97-17-013	132P-116-020	AMD	97-19-026	132V-12-024	REP	97-07-048
132N-120-090	NEW-P	97-10-018	132P-116-040	AMD-P	97-14-101	132V-12-027	REP-P	97-03-128
132N-120-090	NEW	97-17-013	132P-116-040	AMD	97-19-026	132V-12-027	REP	97-07-048

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132V-12-419	REP	97-07-048	162-22-030	AMD-P	98-01-175	173-90-020	PREP-X	97-13-043
132V-12-422	REP-P	97-03-128	162-22-040	AMD-P	98-01-175	173-90-020	REP	97-17-082
132V-12-422	REP	97-07-048	162-22-050	AMD-P	98-01-175	173-90-040	PREP-X	97-13-043
132V-12-425	REP-P	97-03-128	162-22-060	AMD-P	98-01-175	173-90-040	REP	97-17-082
132V-12-425	REP	97-07-048	162-22-070	AMD-P	98-01-175	173-90-050	PREP-X	97-13-043
132V-12-428	REP-P	97-03-128	162-22-080	AMD-P	98-01-175	173-90-050	REP	97-17-082
132V-12-428	REP	97-07-048	162-22-090	AMD-P	98-01-175	173-90-060	PREP-X	97-13-043
132V-12-431	REP-P	97-03-128	162-22-100	NEW-P	98-01-175	173-90-060	REP	97-17-082
132V-12-431	REP	97-07-048	162-26	PREP	97-21-057	173-90-070	PREP-X	97-13-043
132V-12-434	REP-P	97-03-128	162-26-010	AMD-P	98-01-175	173-90-070	REP	97-17-082
132V-12-434	REP	97-07-048	162-26-020	AMD-P	98-01-175	173-95A-010	NEW-E	97-12-022
136-15-010	AMD-P	97-17-001	162-26-030	AMD-P	98-01-175	173-95A-010	NEW-E	97-20-049
136-15-010	AMD	97-24-068	162-26-040	AMD-P	98-01-175	173-95A-010	NEW-P	97-20-050
136-15-050	AMD-P	97-17-001	162-26-050	AMD-P	98-01-175	173-95A-010	NEW	97-24-096
136-15-050	AMD	97-24-068	162-26-060	AMD-P	98-01-175	173-95A-020	NEW-E	97-12-022
136-100-030	AMD-P	97-17-002	162-26-070	AMD-P	98-01-175	173-95A-020	NEW-E	97-20-049
136-100-030	AMD	97-24-069	162-26-080	AMD-P	98-01-175	173-95A-020	NEW-P	97-20-050
136-110-010	AMD-P	97-17-002	162-26-090	AMD-P	98-01-175	173-95A-020	NEW	97-24-096
136-110-010	AMD	97-24-069	162-26-100	AMD-P	98-01-175	173-95A-030	NEW-E	97-12-022
136-110-030	AMD-P	97-17-002	162-26-110	AMD-P	98-01-175	173-95A-030	NEW-E	97-20-049
136-110-030	AMD	97-24-069	162-26-120	AMD-P	98-01-175	173-95A-030	NEW-P	97-20-050
136-130-060	AMD	97-06-006	162-26-130	AMD-P	98-01-175	173-95A-030	NEW	97-24-096
136-150-010	AMD-P	97-17-002	162-26-140	AMD-P	98-01-175	173-95A-040	NEW-E	97-12-022
136-150-010	AMD	97-24-069	162-28	PREP	97-21-057	173-95A-040	NEW-E	97-20-049
136-150-022	AMD-P	97-17-002	162-36-001	AMD-P	98-01-175	173-95A-040	NEW-P	97-20-050
136-150-022	AMD	97-24-069	162-36-005	AMD-P	98-01-175	173-95A-040	NEW	97-24-096
136-150-023	AMD-P	97-17-002	162-36-010	AMD-P	98-01-175	173-95A-050	NEW-E	97-12-022
136-150-023	AMD	97-24-069	162-36-020	AMD-P	98-01-175	173-95A-050	NEW-E	97-20-049
136-200-010	AMD-P	97-17-002	162-38	PREP	97-21-057	173-95A-050	NEW-P	97-20-050
136-200-010	AMD	97-24-069	162-38-010	AMD-P	98-01-175	173-95A-050	NEW	97-24-096
136-200-040	AMD-P	97-17-002	162-38-040	AMD-P	98-01-175	173-152-010	NEW-E	97-10-091
136-200-040	AMD	97-24-069	162-38-050	AMD-P	98-01-175	173-152-010	RESCIND	97-14-017
136-210-010	AMD-P	97-17-002	162-38-060	AMD-P	98-01-175	173-152-010	NEW-E	97-14-017
136-210-010	AMD	97-24-069	162-38-100	AMD-P	98-01-175	173-152-010	NEW-P	97-17-081
137-28-140	AMD	97-03-041	162-38-120	AMD-P	98-01-175	173-152-010	NEW-E	97-21-073
137-28-150	AMD-P	98-01-152	162-38-130	NEW-P	98-01-175	173-152-020	NEW-E	97-10-091
137-28-160	AMD	97-03-041	162-40	PREP	97-21-057	173-152-020	RESCIND	97-14-017
137-28-190	AMD-P	98-01-152	172-120-015	NEW	97-06-095	173-152-020	NEW-E	97-14-017
137-28-220	AMD	97-03-041	172-120-020	AMD	97-06-095	173-152-020	NEW-P	97-17-081
137-28-260	AMD	97-03-041	172-120-030	AMD	97-06-095	173-152-020	NEW-E	97-21-073
137-28-350	AMD	97-03-041	172-120-040	AMD	97-06-095	173-152-025	NEW-E	97-14-017
137-55-010	NEW	97-03-041	172-120-050	AMD	97-06-095	173-152-025	NEW-E	97-21-073
137-55-020	NEW	97-03-041	172-120-060	AMD	97-06-095	173-152-030	NEW-E	97-10-091
137-55-030	NEW	97-03-041	172-120-070	AMD	97-06-095	173-152-030	RESCIND	97-14-017
137-55-040	NEW	97-03-041	172-120-080	AMD	97-06-095	173-152-030	NEW-P	97-17-081
137-55-050	NEW	97-03-041	172-120-090	AMD	97-06-095	173-152-040	NEW-E	97-10-091
137-55-060	NEW	97-03-041	172-120-100	AMD	97-06-095	173-152-040	RESCIND	97-14-017
137-91-010	NEW	97-22-057	172-120-110	AMD	97-06-095	173-152-040	NEW-E	97-14-017
137-91-011	REP	97-22-057	172-120-120	AMD	97-06-095	173-152-040	NEW-P	97-17-081
137-91-020	NEW	97-22-057	172-120-130	AMD	97-06-095	173-152-040	NEW-E	97-21-073
137-91-021	REP	97-22-057	172-120-140	AMD	97-06-095	173-152-050	NEW-E	97-10-091
137-91-030	NEW	97-22-057	172-120-150	REP	97-06-095	173-152-050	RESCIND	97-14-017
137-91-040	NEW	97-22-057	173-20-640	AMD-P	97-23-026	173-152-050	NEW-E	97-14-017
137-91-050	AMD	97-22-057	173-22	AMD-C	97-03-129	173-152-050	NEW-P	97-17-081
137-91-060	REP	97-22-057	173-22	AMD	97-04-076	173-152-050	NEW-E	97-21-073
137-91-075	NEW	97-22-057	173-22-015	REP	97-04-076	173-152-060	NEW-P	97-17-081
137-91-080	AMD	97-22-057	173-22-030	AMD	97-04-076	173-160	PREP	97-10-093
137-91-090	NEW	97-22-057	173-22-035	NEW	97-04-076	173-160-010	AMD-P	97-19-081
137-91-100	NEW	97-22-057	173-22-040	AMD	97-04-076	173-160-020	AMD-P	97-19-081
137-100-001	NEW-E	97-22-028	173-22-070	AMD	97-04-076	173-160-030	AMD-P	97-19-081
137-100-001	NEW	97-24-052	173-22-080	NEW	97-04-076	173-160-040	AMD-P	97-19-081
137-100-010	NEW-E	97-22-028	173-32-010	PREP-X	97-13-042	173-160-050	AMD-P	97-19-081
137-100-010	NEW	97-24-052	173-32-010	REP	97-18-047	173-160-055	REP-P	97-19-081
137-100-020	NEW-E	97-22-028	173-32-020	PREP-X	97-13-042	173-160-061	NEW-P	97-19-081
137-100-020	NEW	97-24-052	173-32-020	REP	97-18-047	173-160-065	REP-P	97-19-081
137-100-030	NEW-E	97-22-028	173-32-030	PREP-X	97-13-042	173-160-071	NEW-P	97-19-081
137-100-030	NEW	97-24-052	173-32-030	REP	97-18-047	173-160-075	REP-P	97-19-081
162-04	PREP	97-21-057	173-32-040	PREP-X	97-13-042	173-160-085	REP-P	97-19-081
162-12	PREP	97-21-057	173-32-040	REP	97-18-047	173-160-095	REP-P	97-19-081
162-16	PREP	97-21-057	173-90-010	PREP-X	97-13-043	173-160-101	NEW-P	97-19-081
162-22	PREP	97-21-057	173-90-010	REP	97-17-082	173-160-105	REP-P	97-19-081
162-22-010	AMD-P	98-01-175	173-90-015	PREP-X	97-13-043	173-160-111	NEW-P	97-19-081
162-22-020	AMD-P	98-01-175	173-90-015	REP	97-17-082	173-160-115	REP-P	97-19-081

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173-160-121	NEW-P	97-19-081	173-162	PREP	97-10-093	173-303-073	AMD-P	97-16-074
173-160-125	REP-P	97-19-081	173-162-010	AMD-P	97-19-081	173-303-077	NEW-P	97-16-074
173-160-131	NEW-P	97-19-081	173-162-020	AMD-P	97-19-081	173-303-081	AMD-P	97-16-074
173-160-135	REP-P	97-19-081	173-162-025	NEW-P	97-19-081	173-303-082	AMD-P	97-16-074
173-160-141	NEW-P	97-19-081	173-162-030	AMD-P	97-19-081	173-303-090	AMD-P	97-16-074
173-160-151	NEW-P	97-19-081	173-162-040	AMD-P	97-19-081	173-303-100	AMD-P	97-16-074
173-160-161	NEW-P	97-19-081	173-162-050	AMD-P	97-19-081	173-303-104	AMD-P	97-16-074
173-160-171	NEW-P	97-19-081	173-162-055	NEW-P	97-19-081	173-303-110	AMD-P	97-16-074
173-160-181	NEW-P	97-19-081	173-162-060	AMD-P	97-19-081	173-303-120	AMD-P	97-16-074
173-160-191	NEW-P	97-19-081	173-162-070	AMD-P	97-19-081	173-303-140	AMD-P	97-16-074
173-160-201	NEW-P	97-19-081	173-162-075	NEW-P	97-19-081	173-303-145	AMD-P	97-16-074
173-160-205	REP-P	97-19-081	173-162-080	AMD-P	97-19-081	173-303-160	AMD-P	97-16-074
173-160-211	NEW-P	97-19-081	173-162-085	NEW-P	97-19-081	173-303-180	AMD-P	97-16-074
173-160-215	REP-P	97-19-081	173-162-090	AMD-P	97-19-081	173-303-201	AMD-P	97-16-074
173-160-221	NEW-P	97-19-081	173-162-095	NEW-P	97-19-081	173-303-210	AMD-P	97-16-074
173-160-225	REP-P	97-19-081	173-162-100	AMD-P	97-19-081	173-303-230	AMD-P	97-16-074
173-160-231	NEW-P	97-19-081	173-162-120	AMD-P	97-19-081	173-303-280	AMD-P	97-16-074
173-160-235	REP-P	97-19-081	173-162-127	NEW-P	97-19-081	173-303-282	AMD-P	97-16-074
173-160-241	NEW-P	97-19-081	173-162-130	AMD-P	97-19-081	173-303-300	AMD-P	97-16-074
173-160-245	REP-P	97-19-081	173-162-140	AMD-P	97-19-081	173-303-335	AMD-P	97-16-074
173-160-251	NEW-P	97-19-081	173-162-165	NEW-P	97-19-081	173-303-350	AMD-P	97-16-074
173-160-255	REP-P	97-19-081	173-162-170	REP-P	97-19-081	173-303-380	AMD-P	97-16-074
173-160-261	NEW-P	97-19-081	173-162-190	AMD-P	97-19-081	173-303-395	AMD-P	97-16-074
173-160-265	REP-P	97-19-081	173-162-200	AMD-P	97-19-081	173-303-400	AMD-P	97-16-074
173-160-271	NEW-P	97-19-081	173-162-210	AMD-P	97-19-081	173-303-505	AMD-P	97-16-074
173-160-275	REP-P	97-19-081	173-201A-020	AMD-P	97-12-034	173-303-520	AMD-P	97-16-074
173-160-281	NEW-P	97-19-081	173-201A-020	AMD	97-23-064	173-303-522	NEW-P	97-16-074
173-160-285	REP-P	97-19-081	173-201A-030	AMD-P	97-12-034	173-303-573	NEW-P	97-16-074
173-160-291	NEW-P	97-19-081	173-201A-030	AMD	97-23-064	173-303-600	AMD-P	97-16-074
173-160-295	REP-P	97-19-081	173-201A-040	AMD-P	97-12-034	173-303-610	AMD-P	97-16-074
173-160-301	NEW-P	97-19-081	173-201A-040	AMD	97-23-064	173-303-620	AMD-P	97-16-074
173-160-305	REP-P	97-19-081	173-201A-050	AMD-P	97-12-034	173-303-655	AMD-P	97-16-074
173-160-311	NEW-P	97-19-081	173-201A-050	AMD	97-23-064	173-303-665	AMD-P	97-16-074
173-160-315	REP-P	97-19-081	173-201A-060	AMD-P	97-12-034	173-303-675	AMD-P	97-16-074
173-160-321	NEW-P	97-19-081	173-201A-060	AMD	97-23-064	173-303-800	AMD-P	97-16-074
173-160-325	REP-P	97-19-081	173-201A-110	AMD-P	97-12-034	173-303-802	AMD-P	97-16-074
173-160-331	NEW-P	97-19-081	173-201A-110	AMD	97-23-064	173-303-804	AMD-P	97-16-074
173-160-335	REP-P	97-19-081	173-201A-130	AMD-P	97-12-034	173-303-805	AMD-P	97-16-074
173-160-341	NEW-P	97-19-081	173-201A-130	AMD	97-23-064	173-303-806	AMD-P	97-16-074
173-160-345	REP-P	97-19-081	173-201A-140	AMD-P	97-12-034	173-303-807	AMD-P	97-16-074
173-160-351	NEW-P	97-19-081	173-201A-140	AMD	97-23-064	173-303-810	AMD-P	97-16-074
173-160-355	REP-P	97-19-081	173-201A-160	AMD-P	97-12-034	173-303-815	AMD-P	97-16-074
173-160-361	NEW-P	97-19-081	173-201A-160	AMD	97-23-064	173-303-830	AMD-P	97-16-074
173-160-365	REP-P	97-19-081	173-202-020	AMD-E	97-05-039	173-303-840	AMD-P	97-16-074
173-160-371	NEW-P	97-19-081	173-202-020	PREP	97-08-038	173-303-900	AMD-P	97-16-074
173-160-375	REP-P	97-19-081	173-202-020	AMD-E	97-13-036	173-303-910	AMD-P	97-16-074
173-160-381	NEW-P	97-19-081	173-202-020	AMD-P	97-15-130	173-303-9903	AMD-P	97-16-074
173-160-385	REP-P	97-19-081	173-202-020	AMD-E	97-16-038	173-303-9904	AMD-P	97-16-074
173-160-390	NEW-P	97-19-081	173-202-020	AMD-C	97-23-062	173-303-9905	AMD-P	97-16-074
173-160-395	REP-P	97-19-081	173-202-020	AMD-E	97-23-063	173-308-010	NEW-P	97-22-044
173-160-400	NEW-P	97-19-081	173-202-020	AMD-XA	98-01-219	173-308-020	NEW-P	97-22-044
173-160-405	REP-P	97-19-081	173-223	PREP-X	97-14-076	173-308-030	NEW-P	97-22-044
173-160-410	NEW-P	97-19-081	173-223-015	REP	97-22-043	173-308-040	NEW-P	97-22-044
173-160-415	REP-P	97-19-081	173-223-020	REP	97-22-043	173-308-050	NEW-P	97-22-044
173-160-420	AMD-P	97-19-081	173-223-030	REP	97-22-043	173-308-060	NEW-P	97-22-044
173-160-425	REP-P	97-19-081	173-223-040	REP	97-22-043	173-308-070	NEW-P	97-22-044
173-160-430	NEW-P	97-19-081	173-223-050	REP	97-22-043	173-308-080	NEW-P	97-22-044
173-160-435	REP-P	97-19-081	173-223-060	REP	97-22-043	173-308-090	NEW-P	97-22-044
173-160-440	NEW-P	97-19-081	173-223-070	REP	97-22-043	173-308-100	NEW-P	97-22-044
173-160-445	REP-P	97-19-081	173-223-080	REP	97-22-043	173-308-110	NEW-P	97-22-044
173-160-450	NEW-P	97-19-081	173-223-090	REP	97-22-043	173-308-120	NEW-P	97-22-044
173-160-455	REP-P	97-19-081	173-223-100	REP	97-22-043	173-308-130	NEW-P	97-22-044
173-160-460	NEW-P	97-19-081	173-223-110	REP	97-22-043	173-308-140	NEW-P	97-22-044
173-160-465	REP-P	97-19-081	173-224	PREP	97-14-084	173-308-150	NEW-P	97-22-044
173-160-475	REP-P	97-19-081	173-224-030	AMD-P	97-20-048	173-308-160	NEW-P	97-22-044
173-160-500	REP-P	97-19-081	173-224-040	AMD-P	97-20-048	173-308-170	NEW-P	97-22-044
173-160-510	REP-P	97-19-081	173-224-050	AMD-P	97-20-048	173-308-180	NEW-P	97-22-044
173-160-520	REP-P	97-19-081	173-303	PREP	97-04-062	173-308-190	NEW-P	97-22-044
173-160-530	REP-P	97-19-081	173-303-017	AMD-P	97-16-074	173-308-200	NEW-P	97-22-044
173-160-540	REP-P	97-19-081	173-303-040	AMD-P	97-16-074	173-308-210	NEW-P	97-22-044
173-160-550	REP-P	97-19-081	173-303-045	AMD-P	97-16-074	173-308-220	NEW-P	97-22-044
173-160-560	REP-P	97-19-081	173-303-070	AMD-P	97-16-074	173-308-230	NEW-P	97-22-044
173-160-990	NEW-P	97-19-081	173-303-071	AMD-P	97-16-074	173-308-240	NEW-P	97-22-044

Table

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
173-308-250	NEW-P	97-22-044	173-319-030	PREP-X	97-13-037	174-140-240	REP	97-13-047
173-308-260	NEW-P	97-22-044	173-319-030	REP	97-18-045	174-276	PREP	97-05-044
173-308-270	NEW-P	97-22-044	173-319-040	PREP-X	97-13-037	174-276	AMD-P	97-09-084
173-308-275	NEW-P	97-22-044	173-319-040	REP	97-18-045	174-276	AMD	97-13-047
173-308-280	NEW-P	97-22-044	173-319-050	PREP-X	97-13-037	174-276-005	NEW-P	97-09-084
173-308-280	NEW-P	97-22-044	173-319-050	REP	97-18-045	174-276-005	NEW	97-13-047
173-308-290	NEW-P	97-22-044	173-319-060	PREP-X	97-13-037	174-276-010	AMD-P	97-09-084
173-308-295	NEW-P	97-22-044	173-319-060	REP	97-18-045	174-276-010	AMD	97-13-047
173-308-300	NEW-P	97-22-044	173-400-030	AMD-P	97-15-071	174-276-040	AMD-P	97-09-084
173-308-310	NEW-P	97-22-044	173-400-030	AMD	98-01-183	174-276-040	AMD	97-13-047
173-308-320	NEW-P	97-22-044	173-400-110	AMD-P	97-15-071	174-276-050	AMD-P	97-09-084
173-308-900	NEW-P	97-22-044	173-400-110	AMD-C	97-20-123	174-276-050	AMD	97-13-047
173-309-010	PREP-X	97-13-041	173-400-110	AMD-C	97-23-021	174-276-060	AMD-P	97-09-084
173-309-010	REP	97-18-046	173-400-110	AMD	98-01-183	174-276-060	AMD	97-13-047
173-309-020	PREP-X	97-13-041	173-401-735	AMD-P	97-04-061	174-276-080	AMD-P	97-09-084
173-309-020	REP	97-18-046	173-401-735	AMD	97-08-084	174-276-080	AMD	97-13-047
173-309-030	PREP-X	97-13-041	173-401-830	PREP-X	97-14-075	174-276-090	AMD-P	97-09-084
173-309-030	REP	97-18-046	173-401-830	REP	97-21-140	174-276-090	AMD	97-13-047
173-309-040	PREP-X	97-13-041	173-425	PREP	97-21-099	174-276-095	NEW-P	97-09-084
173-309-040	REP	97-18-046	173-430-040	AMD	97-03-021	174-276-095	NEW	97-13-047
173-309-050	PREP-X	97-13-041	173-460-060	AMD-P	97-21-039	180-16	PREP	97-10-014
173-309-050	REP	97-18-046	173-460-060	AMD-P	97-21-039	180-16	PREP	98-01-099
173-309-060	PREP-X	97-13-041	173-490	PREP	97-09-018	180-16-002	AMD-P	97-20-142
173-309-060	REP	97-18-046	173-490-203	PREP-XR	97-20-046	180-16-002	AMD	98-01-031
173-309-070	PREP-X	97-13-041	173-491	PREP	97-09-018	180-16-221	AMD	97-04-083
173-309-070	REP	97-18-046	173-491-015	AMD-P	97-21-139	180-16-221	AMD-P	97-20-142
173-309-080	PREP-X	97-13-041	173-491-015	AMD	98-01-184	180-16-221	AMD	98-01-031
173-309-080	REP	97-18-046	173-491-020	AMD	97-04-012	180-16-221	AMD	97-04-083
173-309-090	PREP-X	97-13-041	173-491-020	AMD-P	97-21-139	180-16-222	AMD	97-04-083
173-309-090	REP	97-18-046	173-491-020	AMD	98-01-184	180-16-223	REP	97-04-083
173-311-010	PREP-X	97-13-040	173-491-040	AMD	97-04-012	180-16-224	REP	97-04-083
173-311-010	REP	97-18-048	173-491-040	AMD-P	97-21-139	180-16-236	PREP	97-10-008
173-311-020	PREP-X	97-13-040	173-491-040	AMD	98-01-184	180-18	PREP	97-21-116
173-311-020	REP	97-18-048	173-491-050	AMD	97-04-012	180-18-010	AMD-P	98-01-193
173-311-030	PREP-X	97-13-040	173-500	PREP	97-13-074	180-22	PREP	97-21-117
173-311-030	REP	97-18-048	173-531A	PREP	97-12-092	180-22-150	AMD-P	98-01-195
173-311-040	PREP-X	97-13-040	173-531A-060	AMD-P	97-22-084	180-24	PREP	97-09-032
173-311-040	REP	97-18-048	173-563-015	REP-P	97-22-084	180-24-410	AMD-P	97-13-096
173-311-050	PREP-X	97-13-040	173-563-020	AMD-P	97-22-084	180-24-410	AMD-W	97-14-023
173-311-050	REP	97-18-048	173-563-090	PREP	97-12-092	180-24-410	AMD-P	97-16-071
173-315-010	PREP-X	97-13-039	174-116	PREP	97-05-044	180-24-410	AMD	97-21-069
173-315-010	REP	97-18-043	174-122	PREP	97-05-044	180-24-415	AMD-P	97-13-096
173-315-020	PREP-X	97-13-039	174-122-010	REP-P	97-09-084	180-24-415	AMD-W	97-14-023
173-315-020	REP	97-18-043	174-122-010	REP	97-13-047	180-24-415	AMD-P	97-16-071
173-315-030	PREP-X	97-13-039	174-122-020	REP-P	97-09-084	180-24-415	AMD	97-21-069
173-315-030	REP	97-18-043	174-122-020	REP	97-13-047	180-27-056	PREP	97-09-115
173-315-040	PREP-X	97-13-039	174-122-030	REP-P	97-09-084	180-33-025	PREP	97-09-116
173-315-040	REP	97-18-043	174-122-030	REP	97-13-047	180-33-025	AMD-P	98-01-192
173-315-050	PREP-X	97-13-039	174-122-040	REP-P	97-09-084	180-34	PREP	97-17-066
173-315-050	REP	97-18-043	174-122-040	REP	97-13-047	180-34	PREP	97-21-114
173-315-060	PREP-X	97-13-039	174-130	PREP	97-05-044	180-34-010	AMD-P	98-01-194
173-315-060	REP	97-18-043	174-130-010	REP-P	97-09-084	180-34-015	REP-P	98-01-194
173-315-070	PREP-X	97-13-039	174-130-010	REP	97-13-047	180-34-020	REP-P	98-01-194
173-315-070	REP	97-18-043	174-130-020	REP-P	97-09-084	180-34-025	REP-P	98-01-194
173-318-010	PREP-X	97-13-038	174-130-020	REP	97-13-047	180-36	PREP	97-17-065
173-318-010	REP	97-18-044	174-133	PREP	97-05-044	180-36	PREP	97-21-115
173-318-020	PREP-X	97-13-038	174-133-020	AMD-P	97-09-084	180-36-007	NEW-P	98-01-196
173-318-020	REP	97-18-044	174-133-020	AMD	97-13-047	180-39	PREP	97-21-118
173-318-030	PREP-X	97-13-038	174-140	PREP	97-05-044	180-39-025	AMD-P	98-01-197
173-318-030	REP	97-18-044	174-140-010	NEW-P	97-09-084	180-39-027	REP-P	98-01-197
173-318-040	PREP-X	97-13-038	174-140-010	NEW	97-13-047	180-39-028	REP-P	98-01-197
173-318-040	REP	97-18-044	174-140-180	REP-P	97-09-084	180-39-030	REP-P	98-01-197
173-318-050	PREP-X	97-13-038	174-140-180	REP	97-13-047	180-39-035	REP-P	98-01-197
173-318-050	REP	97-18-044	174-140-190	REP-P	97-09-084	180-40-260	AMD-P	97-04-067
173-318-060	PREP-X	97-13-038	174-140-190	REP	97-13-047	180-40-260	AMD	97-08-019
173-318-060	REP	97-18-044	174-140-200	REP-P	97-09-084	180-40-310	AMD-P	97-04-067
173-318-070	PREP-X	97-13-038	174-140-200	REP	97-13-047	180-40-310	AMD	97-08-019
173-318-070	REP	97-18-044	174-140-210	REP-P	97-09-084	180-51-050	AMD-P	97-04-066
173-318-080	PREP-X	97-13-038	174-140-210	REP	97-13-047	180-51-050	AMD	97-08-020
173-318-080	REP	97-18-044	174-140-220	REP-P	97-09-084	180-56	PREP	97-21-119
173-319-010	PREP-X	97-13-037	174-140-220	REP	97-13-047	180-56-003	REP-P	98-01-198
173-319-010	REP	97-18-045	174-140-230	REP-P	97-09-084	180-57	PREP	97-21-113
173-319-020	PREP-X	97-13-037	174-140-230	REP	97-13-047	180-58	PREP	97-21-120
173-319-020	REP	97-18-045	174-140-240	REP-P	97-09-084	180-58-010	REP-P	98-01-199

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
180-58-015	REP-P	98-01-199	180-77-003	AMD-P	97-20-134	180-78A-075	NEW	97-04-084
180-58-020	REP-P	98-01-199	180-77-003	AMD	98-01-026	180-78A-080	NEW	97-04-084
180-58-030	REP-P	98-01-199	180-77-014	AMD-P	97-20-134	180-78A-135	NEW	97-04-084
180-58-040	REP-P	98-01-199	180-77-014	AMD	98-01-026	180-78A-140	NEW	97-04-084
180-58-045	REP-P	98-01-199	180-77-025	AMD-P	97-20-134	180-78A-142	NEW	97-04-084
180-58-055	REP-P	98-01-199	180-77-025	AMD	98-01-026	180-78A-145	NEW	97-04-084
180-58-065	REP-P	98-01-199	180-77-031	AMD	97-04-085	180-78A-150	NEW	97-04-084
180-58-075	REP-P	98-01-199	180-77-031	AMD-P	97-20-134	180-78A-150	AMD-P	97-20-143
180-58-085	REP-P	98-01-199	180-77-031	AMD	98-01-026	180-78A-150	AMD	98-01-032
180-58-090	REP-P	98-01-199	180-77-041	AMD	97-04-085	180-78A-155	NEW	97-04-084
180-59	PREP	97-21-112	180-77-041	AMD-P	97-20-134	180-78A-160	NEW	97-04-084
180-59-005	REP-P	98-01-200	180-77-041	AMD	98-01-026	180-78A-160	AMD-P	97-20-133
180-59-010	REP-P	98-01-200	180-77-120	AMD	97-04-085	180-78A-160	AMD	98-01-028
180-59-015	REP-P	98-01-200	180-77-120	AMD-P	97-20-134	180-78A-165	NEW	97-04-084
180-59-020	REP-P	98-01-200	180-77-120	AMD	98-01-026	180-78A-165	PREP	97-22-104
180-59-025	REP-P	98-01-200	180-77A-003	NEW	97-04-087	180-78A-165	AMD-P	98-01-201
180-59-030	REP-P	98-01-200	180-77A-004	NEW	97-04-087	180-78A-195	NEW	97-04-084
180-59-032	REP-P	98-01-200	180-77A-006	NEW	97-04-087	180-78A-197	NEW	97-04-084
180-59-035	REP-P	98-01-200	180-77A-012	NEW	97-04-087	180-78A-201	NEW	97-04-084
180-59-037	REP-P	98-01-200	180-77A-014	NEW	97-04-087	180-78A-260	NEW	97-04-084
180-59-040	REP-P	98-01-200	180-77A-016	NEW	97-04-087	180-78A-263	NEW-P	97-20-133
180-59-045	REP-P	98-01-200	180-77A-018	NEW	97-04-087	180-78A-263	NEW	98-01-028
180-59-047	REP-P	98-01-200	180-77A-020	NEW	97-04-087	180-78A-265	NEW	97-04-084
180-59-050	REP-P	98-01-200	180-77A-025	NEW	97-04-087	180-78A-265	PREP	97-14-104
180-59-055	REP-P	98-01-200	180-77A-026	NEW	97-04-087	180-78A-265	AMD-P	97-20-149
180-59-060	REP-P	98-01-200	180-77A-028	NEW	97-04-087	180-78A-265	AMD	98-01-023
180-59-065	REP-P	98-01-200	180-77A-029	NEW	97-04-087	180-78A-266	NEW	97-04-084
180-59-070	REP-P	98-01-200	180-77A-030	NEW	97-04-087	180-78A-300	NEW	97-04-084
180-59-075	REP-P	98-01-200	180-77A-033	NEW	97-04-087	180-78A-301	NEW	97-04-084
180-59-080	REP-P	98-01-200	180-77A-037	NEW	97-04-087	180-78A-302	NEW	97-04-084
180-59-090	REP-P	98-01-200	180-77A-040	NEW	97-04-087	180-78A-303	NEW	97-04-084
180-59-095	REP-P	98-01-200	180-77A-057	NEW	97-04-087	180-78A-304	NEW	97-04-084
180-59-100	REP-P	98-01-200	180-77A-165	NEW	97-04-087	180-78A-305	NEW	97-04-084
180-59-105	REP-P	98-01-200	180-77A-170	NEW	97-04-087	180-78A-306	NEW	97-04-084
180-59-110	REP-P	98-01-200	180-77A-175	NEW	97-04-087	180-78A-320	NEW	97-04-084
180-59-115	REP-P	98-01-200	180-77A-180	NEW	97-04-087	180-78A-340	NEW	97-04-084
180-59-120	REP-P	98-01-200	180-77A-195	NEW	97-04-087	180-78A-345	NEW	97-04-084
180-59-125	REP-P	98-01-200	180-78-205	AMD	97-04-081	180-78A-350	NEW	97-04-084
180-59-130	REP-P	98-01-200	180-78-207	RECOD	97-04-081	180-78A-355	NEW	97-04-084
180-59-135	REP-P	98-01-200	180-78-215	AMD	97-04-081	180-78A-360	NEW	97-04-084
180-59-140	REP-P	98-01-200	180-78-217	RECOD	97-04-081	180-78A-365	NEW	97-04-084
180-59-145	REP-P	98-01-200	180-78-235	AMD	97-04-081	180-79-003	REP	97-04-088
180-59-150	REP-P	98-01-200	180-78-237	RECOD	97-04-081	180-79-005	REP	97-04-088
180-59-155	REP-P	98-01-200	180-78-285	AMD	97-04-081	180-79-010	REP	97-04-088
180-59-160	REP-P	98-01-200	180-78A	PREP	97-10-007	180-79-031	REP	97-04-088
180-59-165	REP-P	98-01-200	180-78A	PREP	97-10-013	180-79-032	REP	97-04-088
180-75-003	REP	97-04-088	180-78A-003	NEW	97-04-084	180-79-035	REP	97-04-088
180-75-005	REP	97-04-088	180-78A-004	NEW	97-04-084	180-79-041	REP	97-04-088
180-75-016	REP	97-04-088	180-78A-005	NEW	97-04-084	180-79-045	REP	97-04-088
180-75-017	REP	97-04-088	180-78A-006	NEW	97-04-084	180-79-047	REP	97-04-088
180-75-045	REP	97-04-088	180-78A-007	NEW	97-04-084	180-79-049	REP	97-04-088
180-75-047	REP	97-04-088	180-78A-010	NEW	97-04-084	180-79-060	REP	97-04-088
180-75-048	REP	97-04-088	180-78A-010	PREP	97-10-006	180-79-062	REP	97-04-088
180-75-050	REP	97-04-088	180-78A-010	AMD-P	97-20-150	180-79-063	REP	97-04-088
180-75-055	REP	97-04-088	180-78A-010	AMD	98-01-025	180-79-065	REP	97-04-088
180-75-060	REP	97-04-088	180-78A-012	NEW	97-04-084	180-79-075	REP	97-04-088
180-75-061	REP	97-04-088	180-78A-015	NEW	97-04-084	180-79-080	REP	97-04-088
180-75-065	REP	97-04-088	180-78A-025	NEW	97-04-084	180-79-086	REP	97-04-088
180-75-070	REP	97-04-088	180-78A-026	NEW	97-04-084	180-79-115	REP	97-04-088
180-75-081	DECOD	97-04-082	180-78A-028	NEW	97-04-084	180-79-117	REP	97-04-088
180-75-082	REP	97-04-088	180-78A-030	NEW	97-04-084	180-79-120	REP	97-04-088
180-75-083	DECOD	97-04-082	180-78A-033	NEW	97-04-084	180-79-121	REP	97-04-088
180-75-085	REP	97-04-088	180-78A-037	NEW	97-04-084	180-79-122	REP	97-04-088
180-75-087	REP	97-04-088	180-78A-047	NEW	97-04-084	180-79-123	REP	97-04-088
180-75-088	REP	97-04-088	180-78A-057	NEW	97-04-084	180-79-124	REP	97-04-088
180-75-089	REP	97-04-088	180-78A-057	AMD-P	97-20-143	180-79-125	REP	97-04-088
180-75-090	REP	97-04-088	180-78A-057	AMD	98-01-032	180-79-126	REP	97-04-088
180-75-091	REP	97-04-088	180-78A-060	NEW	97-04-084	180-79-127	REP	97-04-088
180-75-092	REP	97-04-088	180-78A-063	NEW	97-04-084	180-79-128	REP	97-04-088
180-75-100	REP	97-04-088	180-78A-065	NEW	97-04-084	180-79-131	DECOD	97-04-081
180-75-110	REP	97-04-088	180-78A-068	NEW	97-04-084	180-79-136	DECOD	97-04-081
180-77	PREP	97-10-016	180-78A-073	NEW	97-04-084	180-79-140	DECOD	97-04-081
180-77-003	AMD	97-04-085	180-78A-074	NEW	97-04-084	180-79-230	REP	97-04-088

TABLE

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
180-79-236	REP	97-04-088	180-79A-115	NEW	97-04-088	180-79A-366	NEW	97-04-088
180-79-241	REP	97-04-088	180-79A-117	NEW	97-04-088	180-79A-368	NEW	97-04-088
180-79-245	REP	97-04-088	180-79A-117	PREP	97-22-105	180-79A-370	NEW	97-04-088
180-79-247	REP	97-04-088	180-79A-117	AMD-P	98-01-202	180-79A-372	NEW	97-04-088
180-79-300	REP	97-04-088	180-79A-120	NEW	97-04-088	180-79A-374	NEW	97-04-088
180-79-303	REP	97-04-088	180-79A-122	NEW	97-04-088	180-79A-376	NEW	97-04-088
180-79-305	REP	97-04-088	180-79A-125	NEW	97-04-088	180-79A-378	NEW	97-04-088
180-79-311	REP	97-04-088	180-79A-126	NEW	97-04-088	180-79A-379	NEW	97-04-088
180-79-312	REP	97-04-088	180-79A-130	NEW	97-04-088	180-79A-380	NEW	97-04-088
180-79-315	REP	97-04-088	180-79A-131	NEW	97-04-088	180-79A-382	NEW	97-04-088
180-79-317	REP	97-04-088	180-79A-140	NEW	97-04-088	180-79A-384	NEW	97-04-088
180-79-320	REP	97-04-088	180-79A-150	NEW	97-04-088	180-79A-386	NEW	97-04-088
180-79-322	REP	97-04-088	180-79A-150	PREP	97-14-105	180-79A-388	NEW	97-04-088
180-79-324	REP	97-04-088	180-79A-150	AMD-P	97-20-148	180-79A-390	NEW	97-04-088
180-79-326	REP	97-04-088	180-79A-150	AMD	98-01-030	180-79A-392	NEW	97-04-088
180-79-328	REP	97-04-088	180-79A-160	NEW	97-04-088	180-79A-394	NEW	97-04-088
180-79-330	REP	97-04-088	180-79A-161	NEW	97-04-088	180-79A-396	NEW	97-04-088
180-79-332	REP	97-04-088	180-79A-165	NEW	97-04-088	180-79A-398	NEW	97-04-088
180-79-333	REP	97-04-088	180-79A-170	NEW	97-04-088	180-79A-403	NEW	97-04-088
180-79-334	REP	97-04-088	180-79A-170	AMD-P	97-20-146	180-79A-405	NEW	97-04-088
180-79-336	REP	97-04-088	180-79A-170	AMD	98-01-027	180-79A-405	AMD-P	97-20-146
180-79-338	REP	97-04-088	180-79A-200	NEW	97-04-088	180-79A-405	AMD	98-01-027
180-79-340	REP	97-04-088	180-79A-205	NEW	97-04-088	180-79A-415	NEW	97-04-088
180-79-342	REP	97-04-088	180-79A-210	NEW	97-04-088	180-79A-417	NEW	97-04-088
180-79-344	REP	97-04-088	180-79A-215	NEW	97-04-088	180-79A-420	NEW	97-04-088
180-79-346	REP	97-04-088	180-79A-220	NEW	97-04-088	180-79A-422	NEW	97-04-088
180-79-348	REP	97-04-088	180-79A-220	PREP	97-24-108	180-79A-423	NEW	97-04-088
180-79-350	REP	97-04-088	180-79A-225	NEW	97-04-088	180-79A-424	NEW	97-04-088
180-79-352	REP	97-04-088	180-79A-230	NEW	97-04-088	180-79A-430	NEW	97-04-088
180-79-354	REP	97-04-088	180-79A-230	PREP	97-10-009	180-79A-433	NEW	97-04-088
180-79-356	REP	97-04-088	180-79A-230	AMD-P	97-20-145	180-79A-433	AMD-P	97-20-146
180-79-358	REP	97-04-088	180-79A-230	AMD	98-01-033	180-79A-433	PREP	97-22-104
180-79-360	REP	97-04-088	180-79A-236	NEW	97-04-088	180-79A-433	AMD	98-01-027
180-79-362	REP	97-04-088	180-79A-241	NEW	97-04-088	180-79A-435	NEW	97-04-088
180-79-364	REP	97-04-088	180-79A-300	NEW	97-04-088	180-79A-440	NEW	97-04-088
180-79-366	REP	97-04-088	180-79A-300	AMD-P	97-20-146	180-79A-445	NEW	97-04-088
180-79-368	REP	97-04-088	180-79A-300	AMD	98-01-027	180-79A-503	NEW	97-04-088
180-79-370	REP	97-04-088	180-79A-302	NEW	97-04-088	180-79A-510	NEW	97-04-088
180-79-372	REP	97-04-088	180-79A-302	AMD-P	97-20-146	180-79A-515	NEW	97-04-088
180-79-374	REP	97-04-088	180-79A-302	AMD	98-01-027	180-79A-517	NEW	97-04-088
180-79-376	REP	97-04-088	180-79A-304	NEW	97-04-088	180-79A-520	NEW	97-04-088
180-79-378	REP	97-04-088	180-79A-306	NEW	97-04-088	180-85	PREP	97-10-011
180-79-379	REP	97-04-088	180-79A-308	NEW	97-04-088	180-85-025	AMD	97-04-086
180-79-380	REP	97-04-088	180-79A-310	NEW	97-04-088	180-85-030	AMD	97-04-086
180-79-382	REP	97-04-088	180-79A-311	NEW	97-04-088	180-85-100	AMD-P	98-01-202
180-79-384	REP	97-04-088	180-79A-312	NEW	97-04-088	180-85-109	AMD-P	97-20-135
180-79-386	REP	97-04-088	180-79A-315	NEW	97-04-088	180-85-109	AMD	98-01-034
180-79-388	REP	97-04-088	180-79A-317	NEW	97-04-088	180-85-110	REP	97-04-086
180-79-390	REP	97-04-088	180-79A-320	NEW	97-04-088	180-85-115	REP	97-04-086
180-79-392	REP	97-04-088	180-79A-322	NEW	97-04-088	180-85-120	REP	97-04-086
180-79-394	REP	97-04-088	180-79A-324	NEW	97-04-088	180-85-135	REP	97-04-086
180-79-396	REP	97-04-088	180-79A-326	NEW	97-04-088	180-85-200	AMD	97-04-086
180-79-398	REP	97-04-088	180-79A-328	NEW	97-04-088	180-85-210	AMD	97-04-086
180-79A	PREP	97-09-015	180-79A-330	NEW	97-04-088	180-85-211	NEW	97-04-086
180-79A-003	NEW	97-04-088	180-79A-332	NEW	97-04-088	180-85-215	AMD	97-04-086
180-79A-005	NEW	97-04-088	180-79A-333	NEW	97-04-088	180-86-011	NEW	97-04-082
180-79A-010	NEW	97-04-088	180-79A-334	NEW	97-04-088	180-86-013	RECOD	97-04-082
180-79A-010	AMD-P	97-20-144	180-79A-336	NEW	97-04-088	180-86-014	RECOD	97-04-082
180-79A-010	AMD	98-01-029	180-79A-338	NEW	97-04-088	180-86-080	NEW	97-05-008
180-79A-012	NEW	97-04-088	180-79A-340	NEW	97-04-088	180-86-080	NEW-W	97-05-043
180-79A-013	NEW	97-04-088	180-79A-340	AMD-P	98-01-203	180-86-086	NEW-W	97-05-043
180-79A-015	NEW	97-04-088	180-79A-342	NEW	97-04-088	180-86-116	NEW	97-05-008
180-79A-015	AMD-P	97-20-144	180-79A-344	NEW	97-04-088	180-86-116	NEW-W	97-05-043
180-79A-015	AMD	98-01-029	180-79A-346	NEW	97-04-088	180-87-070	PREP	97-10-025
180-79A-020	NEW	97-04-088	180-79A-348	NEW	97-04-088	180-87-070	AMD-P	97-16-092
180-79A-022	NEW	97-04-088	180-79A-350	NEW	97-04-088	180-87-070	AMD	97-21-075
180-79A-022	AMD-P	97-20-144	180-79A-352	NEW	97-04-088	180-87-070	PREP	97-10-010
180-79A-022	AMD	98-01-029	180-79A-354	NEW	97-04-088	180-97-015	AMD-P	97-20-136
180-79A-025	NEW	97-04-088	180-79A-356	NEW	97-04-088	180-97-015	AMD	98-01-024
180-79A-101	NEW	97-04-088	180-79A-358	NEW	97-04-088	180-97-060	AMD-P	97-20-136
180-79A-105	NEW	97-04-088	180-79A-360	NEW	97-04-088	180-97-060	AMD	98-01-024
180-79A-105	PREP	97-21-111	180-79A-362	NEW	97-04-088	180-97-070	AMD-P	97-20-136
180-79A-110	NEW	97-04-088	180-79A-364	NEW	97-04-088	180-97-070	AMD	98-01-024

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
180-110	PREP	97-05-027	182-04-010	AMD	97-21-125	182-18-100	REP	97-21-129
180-110-010	REP-P	97-13-017	182-04-015	AMD-P	97-17-107	182-18-110	REP-P	97-17-108
180-110-010	REP	97-16-023	182-04-015	AMD	97-21-125	182-18-110	REP	97-21-129
180-110-015	REP-P	97-13-017	182-04-025	AMD-P	97-17-107	182-18-120	REP-P	97-17-108
180-110-015	REP	97-16-023	182-04-025	AMD	97-21-125	182-18-120	REP	97-21-129
180-110-017	REP-P	97-13-017	182-04-030	REP-P	97-17-107	182-18-130	REP-P	97-17-108
180-110-017	REP	97-16-023	182-04-030	REP	97-21-125	182-18-130	REP	97-21-129
180-110-020	REP-P	97-13-017	182-04-035	AMD-P	97-17-107	182-18-140	REP-P	97-17-108
180-110-020	REP	97-16-023	182-04-035	AMD	97-21-125	182-18-140	REP	97-21-129
180-110-030	REP-P	97-13-017	182-04-040	AMD-P	97-17-107	182-18-150	REP-P	97-17-108
180-110-030	REP	97-16-023	182-04-040	AMD	97-21-125	182-18-150	REP	97-21-129
180-110-035	REP-P	97-13-017	182-04-041	NEW-P	97-17-107	182-18-160	REP-P	97-17-108
180-110-035	REP	97-16-023	182-04-041	NEW	97-21-125	182-18-160	REP	97-21-129
180-110-040	REP-P	97-13-017	182-04-045	AMD-P	97-17-107	182-25-010	AMD-P	97-08-067
180-110-040	REP	97-16-023	182-04-045	AMD	97-21-125	182-25-010	AMD	97-15-003
180-110-045	REP-P	97-13-017	182-04-050	AMD-P	97-17-107	182-25-010	PREP	97-18-033
180-110-045	REP	97-16-023	182-04-050	AMD	97-21-125	182-25-010	AMD-P	98-01-220
180-110-050	REP-P	97-13-017	182-04-055	AMD-P	97-17-107	182-25-020	AMD-P	97-08-067
180-110-050	REP	97-16-023	182-04-055	AMD	97-21-125	182-25-020	AMD	97-15-003
180-110-052	REP-P	97-13-017	182-04-060	AMD-P	97-17-107	182-25-020	PREP	97-18-033
180-110-052	REP	97-16-023	182-04-060	AMD	97-21-125	182-25-020	AMD-P	98-01-220
180-110-053	REP-P	97-13-017	182-04-065	REP-P	97-17-107	182-25-030	AMD-E	97-06-069
180-110-053	REP	97-16-023	182-04-065	REP	97-21-125	182-25-030	AMD-P	97-08-067
180-110-055	REP-P	97-13-017	182-04-070	AMD-P	97-17-107	182-25-030	AMD-E	97-14-029
180-110-055	REP	97-16-023	182-04-070	AMD	97-21-125	182-25-030	AMD	97-15-003
180-110-060	REP-P	97-13-017	182-08-095	AMD-P	97-17-106	182-25-030	PREP	97-18-033
180-110-060	REP	97-16-023	182-08-095	AMD	97-21-126	182-25-030	AMD-P	98-01-220
180-110-065	REP-P	97-13-017	182-08-160	AMD-E	97-06-071	182-25-040	AMD-E	97-06-069
180-110-065	REP	97-16-023	182-08-160	AMD-E	97-14-031	182-25-040	AMD-P	97-08-067
180-115	PREP	97-05-026	182-08-160	AMD-P	97-17-106	182-25-040	AMD-E	97-14-029
180-115-005	REP-P	97-13-016	182-08-160	AMD	97-21-126	182-25-040	AMD	97-15-003
180-115-005	REP	97-16-024	182-08-175	AMD-E	97-06-071	182-25-040	PREP	97-18-033
180-115-010	REP-P	97-13-016	182-08-175	AMD-E	97-14-031	182-25-040	AMD-P	98-01-220
180-115-010	REP	97-16-024	182-08-175	AMD-P	97-17-106	182-25-070	PREP	97-18-033
180-115-015	REP-P	97-13-016	182-08-175	AMD	97-21-126	182-25-070	AMD-P	98-01-220
180-115-015	REP	97-16-024	182-12-111	AMD-P	97-17-110	182-25-080	PREP	97-18-033
180-115-020	REP-P	97-13-016	182-12-111	AMD	97-21-127	182-25-080	AMD-P	98-01-220
180-115-020	REP	97-16-024	182-12-117	AMD-E	97-06-070	182-25-090	AMD-E	97-06-069
180-115-025	REP-P	97-13-016	182-12-117	AMD-E	97-14-030	182-25-090	AMD-P	97-08-067
180-115-025	REP	97-16-024	182-12-117	AMD-P	97-17-110	182-25-090	AMD-E	97-14-029
180-115-030	REP-P	97-13-016	182-12-117	AMD	97-21-127	182-25-090	AMD	97-15-003
180-115-030	REP	97-16-024	182-12-119	AMD-P	97-17-110	182-25-090	PREP	97-18-033
180-115-035	REP-P	97-13-016	182-12-119	AMD	97-21-127	182-25-090	AMD-P	98-01-220
180-115-035	REP	97-16-024	182-12-132	AMD-P	97-17-110	182-25-100	PREP	97-18-033
180-115-040	REP-P	97-13-016	182-12-132	AMD	97-21-127	182-25-100	AMD-P	98-01-220
180-115-040	REP	97-16-024	182-12-200	AMD-P	97-17-110	182-25-105	PREP	97-18-033
180-115-045	REP-P	97-13-016	182-12-200	AMD	97-21-127	182-25-105	AMD-P	98-01-220
180-115-045	REP	97-16-024	182-16-030	AMD-P	97-17-109	192-12-030	PREP	97-21-131
180-115-050	REP-P	97-13-016	182-16-030	AMD	97-21-128	192-12-042	PREP	97-16-011
180-115-050	REP	97-16-024	182-16-040	AMD-P	97-17-109	192-12-072	PREP	97-16-012
180-115-055	REP-P	97-13-016	182-16-040	AMD	97-21-128	192-12-141	AMD-XA	97-19-087
180-115-055	REP	97-16-024	182-16-050	AMD-P	97-17-109	192-12-141	AMD-P	97-22-109
180-115-060	REP-P	97-13-016	182-16-050	AMD	97-21-128	192-16-070	PREP	97-21-130
180-115-060	REP	97-16-024	182-18-005	REP-P	97-17-108	192-23-018	AMD-XA	97-19-087
180-115-065	REP-P	97-13-016	182-18-005	REP	97-21-129	192-23-018	AMD-P	97-22-109
180-115-065	REP	97-16-024	182-18-010	REP-P	97-17-108	192-32	AMD-E	97-15-022
180-115-075	REP-P	97-13-016	182-18-010	REP	97-21-129	192-32	PREP	97-16-010
180-115-075	REP	97-16-024	182-18-020	REP-P	97-17-108	192-32	AMD-P	97-22-064
180-115-080	REP-P	97-13-016	182-18-020	REP	97-21-129	192-32	PREP	98-01-185
180-115-080	REP	97-16-024	182-18-030	REP-P	97-17-108	192-32	AMD-P	98-01-186
180-115-081	REP-P	97-13-016	182-18-030	REP	97-21-129	192-32-001	AMD-E	97-15-022
180-115-081	REP	97-16-024	182-18-040	REP-P	97-17-108	192-32-001	AMD-P	97-22-064
180-115-085	REP-P	97-13-016	182-18-040	REP	97-21-129	192-32-001	REP-P	98-01-186
180-115-085	REP	97-16-024	182-18-050	REP-P	97-17-108	192-32-010	AMD-E	97-15-022
180-115-090	REP-P	97-13-016	182-18-050	REP	97-21-129	192-32-010	AMD-P	97-22-064
180-115-090	REP	97-16-024	182-18-060	REP-P	97-17-108	192-32-010	AMD-P	98-01-186
180-115-095	REP-P	97-13-016	182-18-060	REP	97-21-129	192-32-015	REP-E	97-15-022
180-115-095	REP	97-16-024	182-18-070	REP	97-21-129	192-32-015	REP-P	97-22-064
180-115-100	REP-P	97-13-016	182-18-080	REP-P	97-17-108	192-32-015	REP-P	98-01-186
180-115-100	REP	97-16-024	182-18-080	REP	97-21-129	192-32-025	REP-E	97-15-022
180-115-105	REP-P	97-13-016	182-18-090	REP-P	97-17-108	192-32-025	REP-P	97-22-064
180-115-105	REP	97-16-024	182-18-090	REP	97-21-129	192-32-025	REP-P	98-01-186
182-04-010	AMD-P	97-17-107	182-18-100	REP-P	97-17-108	192-32-035	AMD-E	97-15-022

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
192-32-035	AMD-P	97-22-064	197-11-070	AMD-P	97-08-085	204-10-045	PREP	97-03-042
192-32-035	AMD-P	98-01-186	197-11-070	AMD	97-21-030	204-10-045	NEW-P	97-07-036
192-32-045	AMD-E	97-15-022	197-11-158	NEW-P	97-08-085	204-10-045	NEW	97-10-024
192-32-045	AMD-P	97-22-064	197-11-158	NEW	97-21-030	204-10-070	PREP	97-19-050
192-32-045	AMD-P	98-01-186	197-11-164	NEW-P	97-08-085	204-10-070	AMD-P	97-22-040
192-32-050	AMD-P	98-01-186	197-11-164	NEW	97-21-030	204-10-090	PREP	97-19-050
192-32-055	AMD-P	98-01-186	197-11-168	NEW-P	97-08-085	204-10-090	AMD-P	97-22-040
192-32-065	AMD-E	97-15-022	197-11-168	NEW	97-21-030	204-10-100	PREP	97-19-050
192-32-065	AMD-P	97-22-064	197-11-172	NEW-P	97-08-085	204-10-100	REP-P	97-22-040
192-32-065	AMD-P	98-01-186	197-11-172	NEW	97-21-030	204-10-110	PREP	97-19-050
192-32-075	AMD-P	98-01-186	197-11-210	AMD-P	97-08-085	204-10-110	REP-P	97-22-040
192-32-085	AMD-P	98-01-186	197-11-210	AMD	97-21-030	204-10-130	PREP	97-19-050
192-32-095	AMD-E	97-15-022	197-11-238	NEW-P	97-08-085	204-10-130	REP-P	97-22-040
192-32-095	AMD-P	97-22-064	197-11-238	NEW	97-21-030	204-10-140	PREP	97-19-050
192-32-095	AMD-P	98-01-186	197-11-259	AMD-P	97-08-085	204-10-140	REP-P	97-22-040
192-32-100	NEW-E	97-15-022	197-11-259	AMD	97-21-030	204-10-150	PREP	97-19-050
192-32-100	NEW-P	97-22-064	197-11-300	AMD-P	97-08-085	204-10-150	REP-P	97-22-040
192-32-100	NEW-P	98-01-186	197-11-300	AMD	97-21-030	204-41-060	PREP	97-03-043
192-32-105	AMD-E	97-15-022	197-11-310	AMD-P	97-08-085	204-41-060	NEW-P	97-07-037
192-32-105	AMD-P	97-22-064	197-11-310	AMD	97-21-030	204-41-060	NEW	97-10-023
192-32-105	AMD-P	98-01-186	197-11-315	AMD-P	97-08-085	204-48-010	PREP-X	97-14-041
192-32-115	AMD-P	98-01-186	197-11-315	AMD	97-21-030	204-48-010	REP	97-17-061
192-32-120	REP-E	97-15-022	197-11-330	AMD-P	97-08-085	204-48-020	PREP-X	97-14-041
192-32-120	REP-P	97-22-064	197-11-330	AMD	97-21-030	204-48-020	REP	97-17-061
192-32-120	REP-P	98-01-186	197-11-340	AMD-P	97-08-085	204-48-030	PREP-X	97-14-041
192-32-125	REP-E	97-15-022	197-11-340	AMD	97-21-030	204-48-030	REP	97-17-061
192-32-125	REP-P	97-22-064	197-11-355	NEW-P	97-08-085	204-48-040	PREP-X	97-14-041
192-32-125	REP-P	98-01-186	197-11-355	NEW	97-21-030	204-48-040	REP	97-17-061
192-32-130	NEW-E	97-15-022	197-11-390	AMD-P	97-08-085	204-56-015	PREP-XR	97-20-072
192-32-130	NEW-P	97-22-064	197-11-390	AMD	97-21-030	204-56-015	REP	98-01-060
192-32-130	NEW-P	98-01-186	197-11-408	AMD-P	97-08-085	204-56-025	PREP-XR	97-20-072
192-32-135	NEW-E	97-15-022	197-11-408	AMD	97-21-030	204-56-025	REP	98-01-060
192-32-135	NEW-P	97-22-064	197-11-502	AMD-P	97-08-085	204-56-035	PREP-XR	97-20-072
192-32-135	NEW-P	98-01-186	197-11-502	AMD	97-21-030	204-56-035	REP	98-01-060
192-33	PREP	97-16-010	197-11-508	AMD-P	97-08-085	204-56-045	PREP-XR	97-20-072
192-33-005	NEW-E	97-14-022	197-11-508	AMD	97-21-030	204-56-045	REP	98-01-060
192-33-005	NEW-P	97-22-064	197-11-535	AMD-P	97-08-085	204-56-055	PREP-XR	97-20-072
192-33-005	NEW-P	98-01-186	197-11-535	AMD	97-21-030	204-56-055	REP	98-01-060
192-33-006	NEW-E	97-14-022	197-11-600	AMD-P	97-08-085	204-56-065	PREP-XR	97-20-072
192-33-006	NEW-P	97-22-064	197-11-600	AMD	97-21-030	204-56-065	REP	98-01-060
192-33-006	NEW-P	98-01-186	197-11-660	AMD-P	97-08-085	204-56-075	PREP-XR	97-20-072
194-10-010	PREP-XR	97-20-040	197-11-660	AMD	97-21-030	204-56-075	REP	98-01-060
194-10-020	PREP-XR	97-20-040	197-11-680	AMD-P	97-08-085	204-56-085	PREP-XR	97-20-072
194-10-030	PREP-XR	97-20-040	197-11-680	AMD	97-21-030	204-56-085	REP	98-01-060
194-10-040	PREP-XR	97-20-040	197-11-680	AMD-E	97-23-013	204-56-99001	PREP-XR	97-20-072
194-10-050	PREP-XR	97-20-040	197-11-680	AMD-XA	98-01-085	204-56-99001	REP	98-01-060
194-10-060	PREP-XR	97-20-040	197-11-702	AMD-P	97-08-085	204-56-99002	PREP-XR	97-20-072
194-10-070	PREP-XR	97-20-040	197-11-702	AMD	97-21-030	204-56-99002	REP	98-01-060
194-10-080	PREP-XR	97-20-040	197-11-721	NEW-P	97-08-085	204-56-99003	PREP-XR	97-20-072
194-10-090	PREP-XR	97-20-040	197-11-721	NEW	97-21-030	204-56-99003	REP	98-01-060
194-10-100	PREP-XR	97-20-040	197-11-728	AMD-P	97-08-085	204-56-99004	PREP-XR	97-20-072
194-10-110	PREP-XR	97-20-040	197-11-728	AMD	97-21-030	204-56-99004	REP	98-01-060
194-10-120	PREP-XR	97-20-040	197-11-775	NEW-P	97-08-085	204-56-99005	PREP-XR	97-20-072
194-10-130	PREP-XR	97-20-040	197-11-775	NEW	97-21-030	204-56-99005	REP	98-01-060
194-10-140	PREP-XR	97-20-040	197-11-790	AMD-P	97-08-085	204-56-99006	PREP-XR	97-20-072
196-08	PREP	97-19-038	197-11-790	AMD	97-21-030	204-56-99006	REP	98-01-060
196-12-010	PREP	97-03-029	197-11-800	AMD-P	97-08-085	204-56-99007	PREP-XR	97-20-072
196-12-020	PREP	97-03-029	197-11-800	AMD	97-21-030	204-56-99007	REP	98-01-060
196-12-030	PREP	97-03-029	197-11-912	AMD-P	97-08-085	204-56-99008	PREP-XR	97-20-072
196-12-050	PREP	97-03-029	197-11-912	AMD	97-21-030	204-56-99008	REP	98-01-060
196-12-060	PREP	97-03-029	197-11-914	AMD-P	97-08-085	204-56-99009	PREP-XR	97-20-072
196-24-030	PREP	97-03-029	197-11-914	AMD	97-21-030	204-56-99009	REP	98-01-060
196-24-040	PREP	97-03-029	197-11-938	AMD-P	97-08-085	204-56-99010	PREP-XR	97-20-072
196-24-050	PREP	97-03-029	197-11-938	AMD	97-21-030	204-56-99010	REP	98-01-060
196-24-085	PREP	97-03-029	197-11-940	AMD-P	97-08-085	204-56-99011	PREP-XR	97-20-072
196-24-100	PREP	97-03-029	197-11-940	AMD	97-21-030	204-56-99011	REP	98-01-060
196-24-105	PREP	97-03-029	197-11-948	AMD-P	97-08-085	204-56-99012	PREP-XR	97-20-072
197-11	PREP	97-03-130	197-11-948	AMD	97-21-030	204-56-99012	REP	98-01-060
197-11	AMD-C	97-15-129	197-11-970	AMD-P	97-08-085	204-56-99013	PREP-XR	97-20-072
197-11-055	AMD-P	97-08-085	197-11-970	AMD	97-21-030	204-56-99013	REP	98-01-060
197-11-055	AMD	97-21-030	204-10-020	PREP	97-19-050	204-60	AMD	97-04-054
197-11-060	AMD-P	97-08-085	204-10-020	AMD-P	97-22-040	204-60-010	AMD	97-04-054
197-11-060	AMD	97-21-030	204-10-035	NEW	97-03-087	204-60-030	AMD	97-04-054

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
204-64-010	PREP-X	97-14-040	212-17-200	RESCIND	97-11-041	212-17-21519	NEW-P	97-16-120
204-64-010	REP	97-17-060	212-17-200	REP-E	97-11-041	212-17-21521	NEW-E	97-11-023
204-64-020	PREP-X	97-14-040	212-17-200	RESCIND	97-14-019	212-17-21521	RESCIND	97-11-041
204-64-020	REP	97-17-060	212-17-200	REP-E	97-14-019	220-12	AMD-C	98-01-007
204-64-040	PREP-X	97-14-040	212-17-203	REP-E	97-11-023	220-12-010	AMD-P	97-22-107
204-64-040	REP	97-17-060	212-17-203	RESCIND	97-11-041	220-12-020	AMD-P	97-22-107
204-64-060	PREP-X	97-14-040	212-17-203	REP-E	97-11-041	220-12-01000B	NEW-E	97-15-108
204-64-060	REP	97-17-060	212-17-203	RESCIND	97-14-019	220-16	PREP	98-01-007
204-64-080	PREP-X	97-14-040	212-17-203	REP-E	97-14-019	220-16-440	AMD-P	97-22-107
204-64-080	REP	97-17-060	212-17-205	REP-E	97-11-023	220-16-470	NEW-P	97-15-147
204-64-100	PREP-X	97-14-040	212-17-205	RESCIND	97-11-041	220-16-470	NEW	97-18-035
204-64-100	REP	97-17-060	212-17-205	REP-E	97-11-041	220-16-47000A	NEW-E	97-14-052
204-72-030	PREP	97-19-017	212-17-205	RESCIND	97-14-019	220-16-47000A	REP-E	97-14-052
204-72-030	AMD-P	97-22-039	212-17-205	REP-E	97-14-019	220-16-475	NEW-P	97-22-107
204-72-030	AMD-S	97-23-072	212-17-210	REP-E	97-11-023	220-16-480	NEW-P	97-22-107
204-72-040	PREP	97-06-100	212-17-210	RESCIND	97-11-041	220-16-490	NEW-P	97-22-107
204-72-040	AMD-P	97-09-069	212-17-210	REP-E	97-11-041	220-16-500	NEW-P	97-22-107
204-72-040	AMD	97-12-061	212-17-210	RESCIND	97-14-019	220-16-510	NEW-P	97-22-107
204-72-040	PREP	97-19-017	212-17-210	REP-E	97-14-019	220-16-520	NEW-P	97-22-107
204-72-040	AMD-P	97-22-039	212-17-215	REP-E	97-11-023	220-16-530	NEW-P	97-22-107
204-72-040	AMD-S	97-23-072	212-17-215	RESCIND	97-11-041	220-16-540	NEW-P	97-22-107
204-90	PREP	97-17-059	212-17-215	REP-E	97-11-041	220-16-540	NEW-P	97-22-107
204-90-030	AMD-P	97-21-021	212-17-215	RESCIND	97-14-019	220-16-550	NEW-P	97-22-107
204-90-040	AMD	97-04-055	212-17-215	REP-E	97-14-019	220-16-560	NEW-P	97-22-107
204-90-040	AMD-P	97-21-021	212-17-21503	NEW-E	97-11-023	220-16-570	NEW-P	97-22-107
204-90-070	AMD-P	97-21-021	212-17-21503	RESCIND	97-11-041	220-16-580	NEW-P	97-22-107
204-90-120	AMD-P	97-21-021	212-17-21503	NEW-E	97-11-041	220-16-590	NEW-P	97-22-107
204-90-140	AMD-P	97-21-021	212-17-21503	RESCIND	97-14-019	220-16-600	NEW-P	97-22-107
204-91A-060	AMD-S	97-04-053	212-17-21503	NEW-E	97-14-019	220-16-610	NEW-P	97-22-107
204-91A-060	AMD-E	97-04-056	212-17-21503	NEW-P	97-16-120	220-16-620	NEW-P	97-22-107
204-91A-060	AMD	97-08-021	212-17-21505	NEW-E	97-11-023	220-16-630	NEW-P	97-22-107
204-91A-140	AMD-S	97-04-053	212-17-21505	RESCIND	97-11-041	220-16-640	NEW-P	97-22-107
204-91A-140	AMD-E	97-04-056	212-17-21505	NEW-E	97-11-041	220-16-650	NEW-P	97-22-107
204-91A-140	AMD	97-08-021	212-17-21505	RESCIND	97-14-019	220-16-660	NEW-P	97-22-107
204-95-030	NEW	97-03-127	212-17-21505	NEW-E	97-14-019	220-16-670	NEW-P	97-22-107
204-95-080	NEW	97-03-127	212-17-21505	NEW-P	97-16-120	220-16-680	NEW-P	97-22-107
208-440-030	AMD-W	97-03-074	212-17-21507	NEW-E	97-11-023	220-16-690	NEW-P	97-22-107
208-444-020	NEW-XA	97-19-006	212-17-21507	RESCIND	97-11-041	220-16-700	NEW-P	97-22-107
208-444-020	NEW	97-23-071	212-17-21507	NEW-E	97-11-041	220-16-710	NEW-P	97-22-107
208-444-030	NEW-XA	97-19-006	212-17-21507	RESCIND	97-14-019	220-16-720	NEW-P	97-22-107
208-444-030	NEW	97-23-071	212-17-21507	NEW-E	97-14-019	220-20	PREP	98-01-011
208-444-040	NEW-XA	97-19-006	212-17-21507	NEW-P	97-16-120	220-20-010	AMD-P	97-22-107
208-444-040	NEW	97-23-071	212-17-21509	NEW-E	97-11-023	220-20-020	AMD-P	97-04-080
208-444-050	NEW-XA	97-19-006	212-17-21509	RESCIND	97-11-041	220-20-021	AMD	97-07-043
208-444-050	NEW	97-23-071	212-17-21509	NEW-E	97-11-041	220-20-021	AMD	97-07-043
208-630-020	AMD-P	97-06-092	212-17-21509	RESCIND	97-14-019	220-20-038	AMD	97-08-078
208-630-020	AMD	97-09-035	212-17-21509	NEW-E	97-14-019	220-22-410	AMD-P	97-24-087
208-630-021	NEW-P	97-06-092	212-17-21509	NEW-P	97-16-120	220-22-41000A	NEW-E	97-24-049
208-630-021	NEW	97-09-035	212-17-21511	NEW-E	97-11-023	220-24-02000D	NEW-E	97-10-029
208-630-022	NEW-P	97-06-092	212-17-21511	RESCIND	97-11-041	220-24-02000D	REP-E	97-10-029
208-630-022	NEW	97-09-035	212-17-21511	NEW-E	97-11-041	220-32-05100A	NEW-E	97-18-060
208-630-023	NEW-P	97-06-092	212-17-21511	RESCIND	97-14-019	220-32-05100A	REP-E	97-18-060
208-630-023	NEW	97-09-035	212-17-21511	NEW-E	97-14-019	220-32-05100B	NEW-E	97-19-028
208-680D-050	AMD-W	97-04-071	212-17-21511	NEW-P	97-16-120	220-32-05100B	REP-E	97-19-028
212-17	PREP	97-05-028	212-17-21513	NEW-E	97-11-023	220-32-05100C	NEW-E	97-19-085
212-17	PREP	97-13-073	212-17-21513	RESCIND	97-14-019	220-32-05100C	REP-E	97-19-085
212-17-185	AMD-E	97-11-023	212-17-21513	NEW-E	97-14-019	220-32-05100X	NEW-E	97-04-046
212-17-185	RESCIND	97-11-041	212-17-21513	NEW-P	97-16-120	220-32-05100X	REP-E	97-04-046
212-17-185	AMD-E	97-11-041	212-17-21515	NEW-E	97-11-023	220-32-05100X	REP-E	97-07-044
212-17-185	RESCIND	97-14-019	212-17-21515	RESCIND	97-11-041	220-32-05100Y	NEW-E	97-07-044
212-17-185	AMD-E	97-14-019	212-17-21515	NEW-E	97-11-041	220-32-05100Z	NEW-E	97-17-073
212-17-185	AMD-P	97-16-120	212-17-21515	RESCIND	97-14-019	220-32-05100Z	REP-E	97-17-073
212-17-190	REP-E	97-11-023	212-17-21515	NEW-E	97-14-019	220-32-05500B	NEW-E	97-08-007
212-17-190	RESCIND	97-11-041	212-17-21515	NEW-P	97-16-120	220-32-05500B	REP-E	97-08-007
212-17-190	REP-E	97-11-041	212-17-21517	NEW-E	97-11-041	220-32-05500B	REP-E	97-12-036
212-17-190	RESCIND	97-14-019	212-17-21517	RESCIND	97-14-019	220-32-05500C	NEW-E	97-12-036
212-17-190	REP-E	97-14-019	212-17-21517	NEW-E	97-14-019	220-32-05500C	REP-E	97-12-036
212-17-195	REP-E	97-11-023	212-17-21517	NEW-P	97-16-120	220-32-05500C	REP-E	97-12-069
212-17-195	RESCIND	97-11-041	212-17-21519	NEW-E	97-11-023	220-32-05500D	NEW-E	97-12-069
212-17-195	REP-E	97-11-041	212-17-21519	RESCIND	97-11-041	220-32-05500D	REP-E	97-12-069
212-17-195	RESCIND	97-14-019	212-17-21519	NEW-E	97-11-041	220-32-05500D	REP-E	97-13-007
212-17-195	REP-E	97-14-019	212-17-21519	RESCIND	97-14-019	220-32-05500E	NEW-E	97-13-007
212-17-200	REP-E	97-11-023	212-17-21519	NEW-E	97-14-019	220-32-05500E	REP-E	97-13-007

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
220-32-05500E	REP-E	97-13-029	220-40-02700Q	NEW-E	97-18-067	220-47-812	REP-E	97-19-003
220-32-05500F	NEW-E	97-13-029	220-40-02700Q	REP-E	97-18-067	220-47-813	NEW-E	97-19-003
220-32-05500F	REP-E	97-13-049	220-40-02700R	NEW-E	97-21-007	220-47-813	REP-E	97-19-016
220-32-05500G	NEW-E	97-13-049	220-40-02700R	REP-E	97-21-007	220-47-814	NEW-E	97-19-016
220-32-05500G	REP-E	97-14-035	220-44-030	AMD-P	97-24-082	220-47-814	REP-E	97-19-040
220-32-05500H	NEW-E	97-14-035	220-44-050	AMD-P	97-24-082	220-47-815	NEW-E	97-19-040
220-32-05500H	REP-E	97-15-007	220-44-05000E	REP-E	97-10-021	220-47-815	REP-E	97-19-052
220-32-05500I	NEW-E	97-15-007	220-44-05000F	NEW-E	97-10-021	220-47-816	NEW-E	97-19-052
220-32-05500I	REP-E	97-15-118	220-44-05000F	REP-E	97-14-054	220-47-816	REP-E	97-20-022
220-32-05500J	NEW-E	97-15-118	220-44-05000G	NEW-E	97-14-054	220-47-817	NEW-E	97-20-022
220-32-05500J	REP-E	97-17-072	220-44-05000G	REP-E	97-14-054	220-47-817	REP-E	97-20-069
220-32-05500K	NEW-E	97-17-072	220-44-05000G	REP-E	97-18-005	220-47-818	NEW-E	97-21-084
220-32-05500K	REP-E	97-24-032	220-44-05000H	NEW-E	97-18-005	220-47-818	REP-E	97-22-007
220-32-05500L	NEW-E	97-24-032	220-44-05000H	REP-E	97-20-116	220-47-819	NEW-E	97-22-007
220-32-05700U	REP-E	97-03-002	220-44-05000I	NEW-E	97-20-116	220-47-819	REP-E	97-22-055
220-32-05700U	NEW-E	97-03-002	220-44-05000I	REP-E	97-21-067	220-47-820	NEW-E	97-22-055
220-32-05700V	REP-E	97-09-009	220-44-05000J	NEW-E	97-21-067	220-47-820	REP-E	97-23-015
220-32-05700V	NEW-E	97-09-009	220-44-05000J	REP-E	97-23-030	220-47-821	NEW-E	97-23-015
220-32-05700V	REP-E	97-13-048	220-44-05000K	NEW-E	97-23-030	220-47-821	REP-E	97-23-031
220-32-05700W	NEW-E	97-13-048	220-44-05000K	REP-E	98-02-019	220-47-822	NEW-E	97-23-031
220-32-05700W	REP-E	97-13-048	220-44-05000L	NEW-E	98-02-019	220-47-822	REP-E	97-24-015
220-32-05700W	REP-E	97-14-020	220-44-080	AMD-P	97-24-082	220-47-823	NEW-E	97-24-015
220-33-01000M	NEW-E	97-04-013	220-47-301	AMD-P	97-09-104	220-48-005	AMD-P	97-24-082
220-33-01000M	REP-E	97-04-013	220-47-301	AMD	97-16-030	220-48-00500F	NEW-E	98-02-033
220-33-01000N	NEW-E	97-05-042	220-47-302	AMD-P	97-09-104	220-48-013	AMD-P	97-24-082
220-33-01000P	NEW-E	97-16-075	220-47-302	AMD	97-16-030	220-48-015	AMD	97-07-053
220-33-01000P	REP-E	97-16-075	220-47-304	AMD-P	97-09-104	220-48-015	AMD-P	97-24-082
220-33-01000Q	NEW-E	97-17-074	220-47-304	AMD	97-16-030	220-48-01500C	NEW-E	97-17-018
220-33-01000Q	REP-E	97-17-074	220-47-307	AMD-P	97-09-104	220-48-01500C	REP-E	97-24-016
220-33-01000Q	REP-E	97-18-013	220-47-307	AMD	97-16-030	220-48-01500D	NEW-E	97-24-016
220-33-01000R	NEW-E	97-18-013	220-47-311	AMD-P	97-09-104	220-48-01500D	REP-E	97-24-016
220-33-01000R	REP-E	97-20-035	220-47-311	AMD	97-16-030	220-48-01500E	REP-E	98-01-110
220-33-01000S	NEW-E	97-20-035	220-47-319	AMD-P	97-09-104	220-48-019	AMD-P	97-24-082
220-33-01000S	REP-E	97-21-014	220-47-319	AMD	97-16-030	220-48-019	AMD-P	97-24-082
220-33-01000T	NEW-E	97-21-014	220-47-325	NEW-P	97-09-096	220-48-032	AMD-P	97-24-082
220-33-01000T	REP-E	97-21-068	220-47-325	NEW	97-16-030	220-48-042	AMD-P	97-24-082
220-33-01000U	NEW-E	97-21-068	220-47-326	NEW-P	97-09-096	220-48-052	AMD-P	97-24-082
220-33-01000U	REP-E	97-21-083	220-47-326	NEW	97-16-032	220-48-06100A	NEW-E	97-15-108
220-33-01000V	NEW-E	97-21-083	220-47-401	AMD-P	97-09-104	220-48-071	AMD-P	97-24-082
220-33-01000V	REP-E	97-22-054	220-47-401	AMD	97-16-030	220-49-005	AMD-P	97-24-084
220-33-01000W	NEW-E	97-22-085	220-47-40100A	NEW-E	97-20-069	220-49-011	AMD-P	97-24-084
220-33-01000W	REP-E	97-22-085	220-47-410	NEW-P	97-09-104	220-49-012	AMD-P	97-24-084
220-33-01000X	NEW-E	97-23-006	220-47-410	NEW	97-16-030	220-49-013	AMD-P	97-24-084
220-33-01000X	REP-E	97-23-006	220-47-411	AMD-P	97-09-104	220-49-014	AMD-P	97-24-084
220-33-01000Y	NEW-E	98-02-020	220-47-411	AMD	97-16-030	220-49-017	AMD-P	97-24-084
220-33-01000Y	REP-E	98-02-020	220-47-427	AMD-P	97-09-104	220-49-020	AMD-P	97-24-084
220-33-020	AMD-P	97-04-080	220-47-427	AMD	97-16-030	220-49-02000J	NEW-E	97-14-086
220-33-020	AMD	97-07-043	220-47-428	AMD-P	97-09-104	220-49-02000J	REP-E	97-14-086
220-33-03000K	NEW-E	97-11-045	220-47-428	AMD	97-16-030	220-49-021	AMD-P	97-24-084
220-33-03000K	REP-E	97-11-045	220-47-800	NEW-E	97-15-006	220-49-024	AMD-P	97-24-084
220-33-04000C	NEW-E	97-04-014	220-47-801	NEW-E	97-15-006	220-49-056	AMD-P	97-24-084
220-33-04000C	REP-E	97-05-041	220-47-801	REP-E	97-15-026	220-52-03000K	NEW-E	97-07-050
220-33-04000D	NEW-E	97-05-041	220-47-802	NEW-E	97-15-095	220-52-03000K	REP-E	97-07-050
220-33-04000E	NEW-E	98-02-020	220-47-802	REP-E	97-16-003	220-52-040	AMD	97-08-052
220-33-04000E	REP-E	98-02-020	220-47-803	NEW-E	97-16-003	220-52-040	AMD-P	97-24-088
220-36-021	AMD-P	97-09-097	220-47-803	REP-E	97-16-031	220-52-04000D	NEW-E	97-05-029
220-36-021	AMD	97-15-148	220-47-804	NEW-E	97-16-031	220-52-04000E	NEW-E	97-20-068
220-36-02100M	NEW-E	97-16-058	220-47-804	REP-E	97-16-068	220-52-04000F	NEW-E	97-24-049
220-36-023	AMD-P	97-09-097	220-47-805	NEW-E	97-16-068	220-52-046	AMD	97-08-052
220-36-023	AMD	97-15-148	220-47-805	REP-E	97-17-003	220-52-046	AMD-P	97-24-088
220-36-02300U	NEW-E	97-19-039	220-47-806	NEW-E	97-17-003	220-52-04600T	NEW-E	97-05-029
220-36-02300U	REP-E	97-19-039	220-47-806	REP-E	97-17-019	220-52-04600T	REP-E	97-06-054
220-36-02300V	NEW-E	97-19-080	220-47-807	NEW-E	97-17-019	220-52-04600U	NEW-E	97-06-054
220-36-02300V	REP-E	97-19-080	220-47-807	REP-E	97-17-032	220-52-04600V	NEW-E	97-20-068
220-36-02300W	NEW-E	97-20-034	220-47-808	NEW-E	97-17-032	220-52-04600W	NEW-E	97-24-049
220-36-02300W	REP-E	97-20-034	220-47-808	REP-E	97-17-057	220-52-04600W	REP-E	98-01-074
220-40-021	AMD-P	97-09-097	220-47-809	NEW-E	97-17-057	220-52-04600X	NEW-E	98-01-074
220-40-021	AMD	97-15-148	220-47-809	REP-E	97-18-012	220-52-04600X	REP-E	98-01-002
220-40-02100V	NEW-E	97-16-058	220-47-810	NEW-E	97-18-012	220-52-04600Y	NEW-E	98-01-002
220-40-027	AMD-P	97-09-097	220-47-810	REP-E	97-18-018	220-52-050	AMD-W	97-14-080
220-40-027	AMD	97-15-148	220-47-811	NEW-E	97-18-018	220-52-07100A	NEW-E	97-14-028
220-40-02700P	NEW-E	97-16-058	220-47-811	REP-E	97-18-059	220-52-07100A	REP-E	97-15-023
220-40-02700P	REP-E	97-18-067	220-47-812	NEW-E	97-18-059	220-52-07100B	NEW-E	97-15-023

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220-52-07100B	REP-E	97-15-117	220-56-19100W	REP-E	97-17-025	220-56-32500Q	NEW-E	97-17-011
220-52-07100C	NEW-E	97-15-117	220-56-19100X	NEW-E	97-17-025	220-56-330	AMD	97-07-078
220-52-07100C	REP-E	97-16-016	220-56-19100X	REP-E	97-19-004	220-56-330	AMD-P	97-22-107
220-52-07100D	NEW-E	97-16-016	220-56-19100Y	NEW-E	97-19-004	220-56-335	AMD-P	97-22-107
220-52-07100D	REP-E	97-16-069	220-56-19100Y	REP-E	97-20-005	220-56-336	NEW	97-07-078
220-52-07100E	NEW-E	97-16-069	220-56-19100Y	REP-E	97-20-070	220-56-350	AMD	97-07-078
220-52-07300L	REP-E	97-03-045	220-56-19100Z	NEW-E	97-20-070	220-56-350	AMD-P	97-22-107
220-52-07300M	NEW-E	97-03-045	220-56-19100Z	REP-E	97-20-070	220-56-35000P	NEW-E	97-12-009
220-52-07300M	REP-E	97-03-101	220-56-195	AMD-P	97-15-147	220-56-35000P	REP-E	97-17-006
220-52-07300N	NEW-E	97-03-101	220-56-195	AMD	97-18-035	220-56-35000Q	NEW-E	97-17-006
220-52-07300N	REP-E	97-04-011	220-56-19500B	NEW-E	97-09-068	220-56-355	AMD	97-07-078
220-52-07300P	NEW-E	97-04-011	220-56-19500B	REP-E	97-14-052	220-56-36000S	NEW-E	97-21-023
220-52-07300P	REP-E	97-04-049	220-56-19500C	NEW-E	97-14-052	220-56-36000S	REP-E	97-21-023
220-52-07300Q	NEW-E	97-04-049	220-56-19500C	REP-E	97-14-052	220-56-36000T	NEW-E	97-04-045
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220-52-07300R	NEW-E	97-05-025	220-56-205	AMD-P	97-15-147	220-56-36000U	NEW-E	97-07-051
220-52-07300S	NEW-E	97-24-089	220-56-205	AMD	97-18-035	220-56-36000U	REP-E	97-07-051
220-52-07300S	REP-E	98-01-066	220-56-20500B	NEW-E	97-14-052	220-56-375	AMD	97-07-078
220-52-07300T	NEW-E	98-01-066	220-56-20500B	REP-E	97-14-052	220-56-380	AMD	97-07-078
220-52-07300T	REP-E	98-01-150	220-56-225	AMD-C	97-07-052	220-56-380	AMD-P	97-22-107
220-52-07300U	NEW-E	98-01-150	220-56-225	AMD	97-09-066	220-56-3800J	NEW-E	97-17-006
220-52-07300U	REP-E	98-02-001	220-56-235	AMD	97-07-078	220-56-38000K	NEW-E	97-18-061
220-52-07300V	NEW-E	98-02-001	220-56-23500A	NEW-E	98-01-204	220-56-38000K	REP-E	97-18-061
220-52-075	AMD	97-08-052	220-56-240	AMD	97-08-017	220-56-385	AMD-P	97-22-107
220-56	AMD-C	97-05-075	220-56-240	AMD-W	97-14-079	220-57	AMD-C	97-05-075
220-56	AMD-C	98-01-007	220-56-240	AMD-P	97-22-107	220-57	AMD-C	98-01-007
220-56-100	AMD	97-07-078	220-56-24000A	NEW-E	97-15-108	220-57-12700A	NEW-E	97-18-055
220-56-100	AMD-P	97-22-107	220-56-24000A	REP-E	97-18-055	220-57-12700A	REP-E	97-20-004
220-56-103	AMD	97-07-078	220-56-24000B	NEW-E	97-18-055	220-57-12700B	NEW-E	97-20-004
220-56-10300B	REP-E	97-22-020	220-56-24000F	REP-E	97-03-001	220-57-12700B	REP-E	97-22-008
220-56-10300B	NEW-E	97-22-020	220-56-24000G	NEW-E	97-03-001	220-57-130	AMD-P	97-15-147
220-56-105	AMD	97-07-078	220-56-255	AMD	97-07-078	220-57-130	AMD	97-18-035
220-56-105	AMD-P	97-22-107	220-56-255	AMD-P	97-22-107	220-57-1300V	NEW-E	97-14-052
220-56-115	AMD-W	97-10-075	220-56-25500E	NEW-E	97-11-031	220-57-13000V	REP-E	97-14-052
220-56-115	AMD-P	97-22-107	220-56-25500E	REP-E	97-11-061	220-57-135	AMD-P	97-15-147
220-56-116	AMD-P	97-22-107	220-56-25500F	NEW-E	97-11-061	220-57-135	AMD	97-18-035
220-56-11800A	NEW-E	97-15-108	220-56-25500F	REP-E	97-16-057	220-57-13500T	NEW-E	97-14-052
220-56-124	AMD-P	97-15-147	220-56-25500G	NEW-E	97-16-057	220-57-13500T	REP-E	97-14-052
220-56-124	AMD	97-18-035	220-56-262	NEW-P	97-22-107	220-57-137	AMD-P	97-15-147
220-56-12400C	NEW-E	97-20-005	220-56-265	AMD-P	97-22-107	220-57-137	AMD	97-18-035
220-56-12400C	REP-E	97-20-005	220-56-270	AMD-P	97-22-107	220-57-13701	NEW-P	97-15-147
220-56-128	AMD	97-07-078	220-56-27000A	NEW-E	97-06-035	220-57-13701	NEW	97-18-035
220-56-128	AMD-P	97-22-107	220-56-275	AMD-P	97-22-107	220-57-13700D	NEW-E	97-14-052
220-56-12800A	NEW-E	97-10-043	220-56-285	AMD-P	97-22-107	220-57-13700D	REP-E	97-14-052
220-56-145	AMD-P	97-22-107	220-56-285001	NEW-E	97-06-036	220-57-140	AMD-P	97-15-147
220-56-180	AMD	97-07-078	220-56-285001	REP-E	97-06-036	220-57-140	AMD	97-18-035
220-56-180	AMD-P	97-22-107	220-56-28500J	NEW-E	97-09-001	220-57-14000R	NEW-E	97-09-068
220-56-18000A	NEW-E	97-15-080	220-56-28500K	NEW-E	97-10-063	220-57-14000R	REP-E	97-14-052
220-56-190	AMD-P	97-15-147	220-56-28500L	NEW-E	97-14-053	220-57-14000S	NEW-E	97-14-052
220-56-190	AMD	97-18-035	220-56-28500L	REP-E	97-18-034	220-57-14000S	REP-E	97-14-052
220-56-190	AMD-P	97-22-107	220-56-28500M	NEW-E	97-18-034	220-57-155	AMD-P	97-15-147
220-56-190001	NEW-E	97-14-052	220-56-290	AMD-P	97-22-107	220-57-155	AMD	97-18-035
220-56-190001	REP-E	97-14-052	220-56-295	AMD-P	97-22-107	220-57-15500B	NEW-E	97-09-068
220-56-190001	REP-E	97-15-119	220-56-305	AMD	97-08-018	220-57-15500B	REP-E	97-14-052
220-56-19000J	NEW-E	97-15-119	220-56-305	AMD-W	97-10-075	220-57-15500D	NEW-E	97-14-052
220-56-19000J	REP-E	97-16-002	220-56-307	AMD-P	97-22-107	220-57-15500D	REP-E	97-14-052
220-56-19000K	NEW-E	97-16-002	220-56-310	AMD	97-07-078	220-57-160	AMD	97-07-078
220-56-19000K	REP-E	97-16-067	220-56-310	AMD-P	97-22-107	220-57-160	AMD-P	97-15-147
220-56-19000L	NEW-E	97-16-067	220-56-31000N	REP-E	97-05-011	220-57-160	AMD	97-18-035
220-56-19000L	REP-E	97-17-012	220-56-31000P	NEW-E	97-05-011	220-57-160	AMD-P	97-22-107
220-56-19000M	NEW-E	97-17-012	220-56-31000P	REP-E	97-10-065	220-57-16000H	NEW-E	97-06-036
220-56-19000M	REP-E	97-17-031	220-56-315	AMD-W	97-10-075	220-57-16000I	NEW-E	97-09-008
220-56-19000N	NEW-E	97-17-031	220-56-315	AMD-P	97-22-107	220-57-16000J	NEW-E	97-14-052
220-56-19000N	REP-E	97-18-055	220-56-320	AMD	97-07-078	220-57-16000J	REP-E	97-14-052
220-56-19000P	NEW-E	97-18-055	220-56-320	AMD-P	97-22-107	220-57-165	AMD-P	97-17-105
220-56-191	AMD-P	97-15-147	220-56-325	AMD	97-07-078	220-57-165	AMD	97-20-071
220-56-191	AMD	97-18-035	220-56-325	AMD-P	97-22-107	220-57-16500A	NEW-E	97-14-052
220-56-191	AMD-P	97-22-107	220-56-32500L	NEW-E	97-09-033	220-57-16500A	REP-E	97-14-052
220-56-19100A	NEW-E	97-23-051	220-56-32500M	NEW-E	97-10-070	220-57-175	AMD-P	97-15-147
220-56-19100V	NEW-E	97-09-068	220-56-32500M	REP-E	97-12-037	220-57-175	AMD	97-18-035
220-56-19100V	REP-E	97-14-052	220-56-32500N	NEW-E	97-11-011	220-57-175	AMD-P	97-22-107
220-56-19100W	NEW-E	97-14-052	220-56-32500P	NEW-E	97-12-037	220-57-17500G	NEW-E	97-06-036
220-56-19100W	REP-E	97-14-052	220-56-32500P	REP-E	97-12-037	220-57-17500H	NEW-E	97-14-052

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220-57-17500H	REP-E	97-14-052	220-57-31900M	REP-E	97-12-035	220-57A-175	AMD-P	97-15-147
220-57-187	NEW-P	97-17-105	220-57-31900N	NEW-E	97-12-035	220-57A-175	AMD	97-18-035
220-57-187	NEW	97-20-071	220-57-31900N	REP-E	97-14-052	220-69-240	AMD	97-08-052
220-57-18700A	NEW-E	97-14-052	220-57-31900P	NEW-E	97-14-052	220-69-24000F	NEW-E	97-14-028
220-57-18700A	REP-E	97-14-052	220-57-31000P	REP-E	97-14-052	220-69-24000G	NEW-E	97-24-089
220-57-190	AMD-P	97-15-147	220-57-32100B	NEW-E	97-08-048	220-69-24000H	NEW-E	98-01-110
220-57-190	AMD	97-18-035	220-57-350	AMD-P	97-22-107	220-72-002	AMD	97-08-078
220-57-190	AMD-P	97-22-107	220-57-370	AMD-P	97-15-147	220-72-011	NEW	97-08-078
220-57-19000A	NEW-E	97-14-052	220-57-370	AMD	97-18-035	220-72-013	REP	97-08-078
220-57-19000A	REP-E	97-14-052	220-57-37000G	NEW-E	97-14-052	220-72-015	NEW	97-08-078
220-57-200	AMD-P	97-15-147	220-57-37000G	REP-E	97-14-052	220-72-016	REP	97-08-078
220-57-200	AMD	97-18-035	220-57-37700A	NEW-E	97-09-068	220-72-019	REP	97-08-078
220-57-20000L	NEW-E	97-14-052	220-57-37700A	REP-E	97-14-052	220-72-022	REP	97-08-078
220-57-20000L	REP-E	97-14-052	220-57-385	AMD-P	97-15-147	220-72-025	REP	97-08-078
220-57-230	AMD-P	97-15-147	220-57-385	AMD	97-18-035	220-72-028	REP	97-08-078
220-57-230	AMD	97-18-035	220-57-38500A	NEW-E	97-14-052	220-72-031	REP	97-08-078
220-57-23000H	NEW-E	97-14-052	220-57-38500A	REP-E	97-14-052	220-72-034	REP	97-08-078
220-57-23000H	REP-E	97-14-052	220-57-38500Z	NEW-E	97-09-068	220-72-037	REP	97-08-078
220-57-235	AMD-P	97-15-147	220-57-38500Z	REP-E	97-14-052	220-72-040	REP	97-08-078
220-57-235	AMD	97-18-035	220-57-415	AMD-P	97-15-147	220-72-043	REP	97-08-078
220-57-235	AMD-P	97-22-107	220-57-415	AMD	97-18-035	220-72-046	REP	97-08-078
220-57-23500I	NEW-E	97-14-052	220-57-41500A	NEW-E	97-14-052	220-72-049	REP	97-08-078
220-57-23500I	REP-E	97-14-052	220-57-41500A	REP-E	97-14-052	220-72-052	REP	97-08-078
220-57-240	AMD-P	97-15-147	220-57-425	AMD-P	97-15-147	220-72-055	REP	97-08-078
220-57-240	AMD	97-18-035	220-57-425	AMD	97-18-035	220-72-058	REP	97-08-078
220-57-240	AMD-P	97-22-107	220-57-42500C	NEW-E	97-14-052	220-72-061	REP	97-08-078
220-57-250	AMD-P	97-15-147	220-57-42500C	REP-E	97-14-052	220-72-064	REP	97-08-078
220-57-250	AMD	97-18-035	220-57-430	AMD-P	97-15-147	220-72-067	REP	97-08-078
220-57-25000A	NEW-E	97-12-035	220-57-430	AMD	97-18-035	220-72-070	AMD	97-08-078
220-57-25000A	REP-E	97-14-052	220-57-43000H	NEW-E	97-14-052	220-72-073	AMD	97-08-078
220-57-25000C	NEW-E	97-14-052	220-57-43000H	REP-E	97-14-052	220-72-076	AMD	97-08-078
220-57-25000C	REP-E	97-14-052	220-57-435	AMD-P	97-15-147	220-72-082	REP	97-08-078
220-57-255	AMD-P	97-15-147	220-57-435	AMD	97-18-035	220-72-085	AMD	97-08-078
220-57-255	AMD	97-18-035	220-57-43500K	NEW-E	97-14-052	220-72-088	REP	97-08-078
220-57-25500B	NEW-E	97-14-052	220-57-43500K	REP-E	97-14-052	220-72-091	REP	97-08-078
220-57-25500B	REP-E	97-14-052	220-57-450	AMD-P	97-17-105	220-72-094	REP	97-08-078
220-57-270	AMD-P	97-15-147	220-57-450	AMD	97-20-071	220-77-020	AMD	97-08-078
220-57-270	AMD	97-18-035	220-57-455	AMD-P	97-17-105	220-77-040	AMD	97-08-078
220-57-27000C	NEW-E	97-09-068	220-57-455	AMD	97-20-071	220-77-065	NEW	97-08-078
220-57-27000C	REP-E	97-14-052	220-57-455	AMD-P	97-22-107	220-88A-020	AMD-P	97-24-086
220-57-27000D	NEW-E	97-14-052	220-57-460	AMD-P	97-15-147	220-88A-030	AMD-P	97-24-086
220-57-27000D	REP-E	97-14-052	220-57-460	AMD	97-18-035	220-88A-040	AMD-P	97-24-086
220-57-27000D	REP-E	97-17-005	220-57-46000D	NEW-E	97-09-068	220-88A-060	AMD-P	97-24-086
220-57-27000E	NEW-E	97-17-005	220-57-46000D	REP-E	97-14-052	220-88A-070	AMD	97-08-052
220-57-27000E	REP-E	97-17-005	220-57-46000E	NEW-E	97-14-052	220-88A-070	AMD-P	97-24-086
220-57-280	AMD-P	97-15-147	220-57-46000E	REP-E	97-14-052	220-88A-07000J	NEW-E	97-09-044
220-57-280	AMD	97-18-035	220-57-465	AMD-P	97-15-147	220-88A-07000J	REP-E	97-09-067
220-57-28000L	NEW-E	97-14-052	220-57-465	AMD	97-18-035	220-88A-07000K	NEW-E	97-09-067
220-57-28000L	REP-E	97-14-052	220-57-46500H	NEW-E	97-14-052	220-88A-07000K	REP-E	97-10-044
220-57-285	AMD-P	97-15-147	220-57-46500H	REP-E	97-14-052	220-88A-07000L	NEW-E	97-10-044
220-57-285	AMD	97-18-035	220-57-480	AMD-P	97-15-147	220-88A-07000L	REP-E	97-10-081
220-57-28500Q	NEW-E	97-14-052	220-57-480	AMD	97-18-035	220-88A-07000M	NEW-E	97-10-081
220-57-28500Q	REP-E	97-14-052	220-57-48000A	NEW-E	97-12-035	220-88A-07000M	REP-E	97-11-030
220-57-290	AMD-P	97-22-107	220-57-48000A	REP-E	97-14-052	220-88A-07000N	NEW-E	97-11-030
220-57-29000U	NEW-E	97-09-008	220-57-48000B	NEW-E	97-14-052	220-88A-07000N	REP-E	97-11-046
220-57-300	AMD-P	97-15-147	220-57-48000B	REP-E	97-14-052	220-88A-07000P	NEW-E	97-11-046
220-57-300	AMD	97-18-035	220-57-493	NEW-P	97-15-147	220-88A-07000P	REP-E	97-13-056
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222-08-035	AMD	97-24-091	222-24-030	AMD-S	97-11-074	230-04-203	AMD	97-14-012
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222-12-040	AMD	97-24-091	222-24-050	AMD	97-24-091	230-08-017	AMD-P	97-09-077
222-12-046	AMD-XA	97-19-101	222-30-020	AMD-S	97-11-074	230-08-017	AMD	97-14-012
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222-12-050	AMD-XA	97-19-101	222-30-020	AMD-XA	97-19-101	230-08-025	AMD	97-24-031
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222-12-090	AMD-P	97-15-042	222-30-050	AMD-XA	97-19-101	230-08-070	AMD-P	97-20-041
222-12-090	AMD-E	97-15-070	222-30-050	AMD	97-24-091	230-08-080	AMD-P	97-23-052
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222-12-090	AMD-XA	97-19-101	222-30-060	AMD-S	97-11-074	230-08-270	NEW	97-14-012
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230-12-230	AMD-P	97-09-074	230-30-080	AMD	97-14-012	232-12-194	REP	98-02-018
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230-12-340	NEW	97-20-026	230-30-105	REP	97-14-015	232-12-619	AMD-P	97-15-147
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232-28-253	AMD-P	97-06-119	232-28-61900K	REP-E	97-14-052	242-02-020	AMD-P	97-22-070
232-28-253	AMD	97-12-052	232-28-61900L	NEW-E	97-14-052	242-02-020	AMD	98-01-144
232-28-254	AMD-P	97-06-120	232-28-61900L	REP-E	97-14-052	242-02-030	AMD	97-04-008
232-28-254	AMD	97-12-053	232-28-61900M	NEW-E	97-16-103	242-02-040	AMD	97-04-008
232-28-256	REP-P	97-22-094	232-28-61900M	REP-E	97-16-103	242-02-040	AMD-P	97-22-070
232-28-256	REP	98-01-212	232-28-61900M	REP-E	97-20-067	242-02-040	AMD	98-01-144
232-28-257	REP-P	97-22-094	232-28-61900N	NEW-P	97-16-104	242-02-050	AMD-P	97-22-070
232-28-257	REP	98-01-212	232-28-61900N	REP-P	97-16-104	242-02-050	AMD	98-01-144
232-28-260	AMD	97-06-038	232-28-61900P	NEW-E	97-18-002	242-02-052	AMD-P	97-22-070
232-28-260	AMD-P	97-06-121	232-28-61900Q	NEW-E	97-18-054	242-02-052	AMD	98-01-144
232-28-260	AMD	97-12-054	232-28-61900Q	REP-E	97-18-054	242-02-060	AMD	97-04-008
232-28-260	AMD-P	97-22-097	232-28-61900R	NEW-E	97-20-011	242-02-060	AMD-P	97-22-070
232-28-260	AMD	98-01-209	232-28-61900R	REP-E	97-22-021	242-02-060	AMD	98-01-144
232-28-262	AMD	97-06-039	232-28-61900S	NEW-E	97-20-013	242-02-070	AMD	97-04-008
232-28-263	AMD	97-06-037	232-28-61900S	REP-E	97-20-013	242-02-072	AMD-P	97-22-070
232-28-264	NEW	97-06-045	232-28-61900T	NEW-E	97-20-067	242-02-072	AMD	98-01-144
232-28-264	AMD-P	97-14-095	232-28-61900U	NEW-E	97-21-038	242-02-074	AMD	97-04-008
232-28-264	AMD	97-18-021	232-28-61900V	NEW-E	97-22-020	242-02-110	AMD	97-04-008
232-28-26400A	NEW-E	97-17-028	232-28-61900V	REP-E	97-22-020	242-02-110	AMD-P	97-22-070
232-28-26400A	REP-E	97-17-028	232-28-61900W	NEW-E	97-22-021	242-02-110	AMD	98-01-144
232-28-265	NEW	97-06-046	232-28-61900X	NEW-E	97-22-053	242-02-130	AMD	97-04-008
232-28-265	AMD-P	97-06-122	232-28-61900Y	NEW-E	97-24-065	242-02-130	AMD-P	97-22-070
232-28-265	AMD	97-12-055	232-28-61900Z	NEW-E	97-24-064	242-02-130	AMD	98-01-144
232-28-265	AMD-P	97-22-100	236-10-010	PREP-XR	97-20-111	242-02-210	AMD	97-04-008
232-28-265	AMD-W	98-02-016	236-10-010	REP	98-01-116	242-02-220	AMD	97-04-008
232-28-266	NEW	97-05-074	236-10-015	PREP-XR	97-20-111	242-02-240	AMD-W	97-04-009
232-28-267	NEW-P	97-06-123	236-10-015	REP	98-01-116	242-02-250	AMD	97-04-008
232-28-267	NEW	97-12-056	236-10-020	PREP-XR	97-20-111	242-02-260	AMD	97-04-008
232-28-268	NEW-P	97-06-124	236-10-020	REP	98-01-116	242-02-270	AMD	97-04-008
232-28-268	NEW	97-12-057	236-10-030	PREP-XR	97-20-111	242-02-290	NEW-P	97-22-070
232-28-268	AMD-P	97-14-098	236-10-030	REP	98-01-116	242-02-290	NEW	98-01-144
232-28-268	AMD	97-18-024	236-10-040	PREP-XR	97-20-111	242-02-292	NEW-P	97-22-070
232-28-269	NEW-P	97-06-125	236-10-040	REP	98-01-116	242-02-292	NEW	98-01-144
232-28-269	NEW	97-12-058	236-10-050	PREP-XR	97-20-111	242-02-295	NEW-P	97-22-070
232-28-270	NEW-P	97-06-126	236-10-050	REP	98-01-116	242-02-295	NEW	98-01-144
232-28-270	NEW	97-12-059	236-10-060	PREP-XR	97-20-111	242-02-310	AMD	97-04-008
232-28-271	NEW-P	97-22-101	236-10-060	REP	98-01-116	242-02-420	AMD-P	97-22-070
232-28-271	NEW	98-01-206	236-10-070	PREP-XR	97-20-111	242-02-420	AMD	98-01-144
232-28-420	REP-P	97-14-096	236-10-070	REP	98-01-116	242-02-430	REP-P	97-22-070
232-28-420	REP	97-18-027	236-10-080	PREP-XR	97-20-111	242-02-430	REP	98-01-144
232-28-421	NEW-P	97-14-097	236-10-080	REP	98-01-116	242-02-440	REP-P	97-22-070
232-28-421	NEW	97-18-022	236-10-090	PREP-XR	97-20-111	242-02-440	REP	98-01-144
232-28-42100A	NEW-E	97-19-005	236-10-090	REP	98-01-116	242-02-450	REP-P	97-22-070
232-28-514	REP-P	97-14-096	236-10-100	PREP-XR	97-20-111	242-02-450	REP	98-01-144
232-28-514	REP	97-18-027	236-10-100	REP	98-01-116	242-02-460	REP-P	97-22-070
232-28-515	NEW-P	97-14-099	236-10-110	PREP-XR	97-20-111	242-02-460	REP	98-01-144
232-28-515	NEW-W	97-18-029	236-10-110	REP	98-01-116	242-02-470	REP-P	97-22-070
232-28-515	NEW-P	97-22-098	236-18-010	NEW-P	97-21-124	242-02-470	REP	98-01-144
232-28-515	NEW	98-01-208	236-18-010	NEW	98-01-112	242-02-510	AMD	97-04-008
232-28-51500A	NEW-E	97-17-027	236-18-020	NEW-P	97-21-124	242-02-510	AMD-P	97-22-070
232-28-619	AMD	97-07-076	236-18-020	NEW	98-01-112	242-02-510	AMD	98-01-144
232-28-619	AMD-P	97-15-147	236-18-030	NEW-P	97-21-124	242-02-520	AMD	97-04-008
232-28-619	AMD	97-18-035	236-18-030	NEW	98-01-112	242-02-52001	NEW	97-04-008
232-28-619	AMD-P	97-22-107	236-18-040	NEW-P	97-21-124	242-02-52002	NEW	97-04-008
232-28-61900A	REP-E	97-04-001	236-18-040	NEW	98-01-112	242-02-521	AMD	97-04-008
232-28-61900A	NEW-E	98-01-073	236-18-050	NEW-P	97-21-124	242-02-522	AMD	97-04-008
232-28-61900B	NEW-E	97-03-039	236-18-050	NEW	98-01-112	242-02-522	AMD-P	97-22-070
232-28-61900C	NEW-E	97-03-099	236-18-060	NEW-P	97-21-124	242-02-522	AMD	98-01-144
232-28-61900C	REP-E	97-03-099	236-18-060	NEW	98-01-112	242-02-532	AMD	97-04-008
232-28-61900D	NEW-E	97-03-100	236-18-070	NEW-P	97-21-124	242-02-533	AMD	97-04-008
232-28-61900D	REP-E	97-03-100	236-18-070	NEW	98-01-112	242-02-533	AMD-P	97-22-070
232-28-61900E	NEW-E	97-04-001	236-18-080	NEW-P	97-21-124	242-02-533	AMD	98-01-144
232-28-61900F	NEW-E	97-06-034	236-18-080	NEW	98-01-112	242-02-540	AMD-P	97-22-070
232-28-61900F	REP-E	97-06-034	236-18-090	NEW-P	97-21-124	242-02-540	AMD	98-01-144
232-28-61900F	REP-E	97-12-035	236-18-090	NEW	98-01-112	242-02-550	AMD	97-04-008
232-28-61900G	NEW-E	97-07-056	236-18-100	NEW-P	97-21-124	242-02-554	REP	97-04-008
232-28-61900G	REP-E	97-07-056	236-18-100	NEW	98-01-112	242-02-560	AMD	97-04-008
232-28-61900H	NEW-E	97-08-047	236-48-004	PREP-XR	97-21-002	242-02-560	AMD-P	97-22-070
232-28-61900H	REP-E	97-08-047	236-48-004	REP	98-01-113	242-02-560	AMD	98-01-144
232-28-61900I	NEW-E	97-09-068	236-48-198	AMD	97-04-025	242-02-570	AMD	97-04-008
232-28-61900I	REP-E	97-14-052	236-48-240	PREP-XR	97-20-110	242-02-632	AMD-P	97-22-070

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242-02-632	AMD	98-01-144	246-10-205	AMD	97-12-089	246-12-330	NEW-P	98-01-166
242-02-634	AMD-W	97-04-009	246-10-401	AMD-P	97-08-092	246-12-340	NEW-P	98-01-166
242-02-634	AMD-P	97-22-070	246-10-401	AMD	97-12-089	246-12-350	NEW-P	98-01-166
242-02-634	AMD	98-01-144	246-10-403	AMD-P	97-08-092	246-12-360	NEW-P	98-01-166
242-02-640	AMD-P	97-22-070	246-10-403	AMD	97-12-089	246-100-011	AMD-P	97-06-110
242-02-640	AMD	98-01-144	246-10-605	AMD-P	97-08-092	246-100-011	AMD	97-15-099
242-02-650	AMD	97-04-008	246-10-605	AMD	97-12-089	246-100-036	AMD-P	97-06-110
242-02-660	AMD	97-04-008	246-10-608	AMD-P	97-08-092	246-100-036	AMD	97-15-099
242-02-670	AMD	97-04-008	246-10-608	AMD	97-12-089	246-100-072	AMD-P	97-06-110
242-02-670	AMD-P	97-22-070	246-10-701	AMD-P	97-08-092	246-100-072	AMD	97-15-099
242-02-670	AMD	98-01-144	246-10-701	AMD	97-12-089	246-100-206	AMD-P	97-06-110
242-02-710	AMD	97-04-008	246-10-704	AMD-P	97-08-092	246-100-206	AMD	97-15-099
242-02-820	REP	97-04-008	246-10-704	AMD	97-12-089	246-100-207	AMD	97-04-041
242-02-830	AMD	97-04-008	246-10-707	AMD-P	97-08-092	246-100-209	AMD-P	97-06-110
242-02-830	AMD-P	97-22-070	246-10-707	AMD	97-12-089	246-100-209	AMD	97-15-099
242-02-830	AMD	98-01-144	246-11-010	AMD-P	97-08-092	246-136-001	NEW-E	97-16-025
242-02-831	NEW-P	97-22-070	246-11-010	AMD	97-13-015	246-136-001	NEW-P	97-17-112
242-02-831	NEW	98-01-144	246-11-070	AMD-P	97-08-092	246-136-001	NEW	97-22-027
242-02-832	NEW	97-04-008	246-11-070	AMD	97-13-015	246-136-010	NEW-E	97-16-025
242-02-832	AMD-P	97-22-070	246-11-080	AMD-P	97-08-092	246-136-010	NEW-P	97-17-112
242-02-832	AMD	98-01-144	246-11-080	AMD	97-13-015	246-136-010	NEW	97-22-027
242-02-833	NEW-P	97-22-070	246-11-200	AMD-P	97-08-092	246-136-020	NEW-E	97-16-025
242-02-833	NEW	98-01-144	246-11-200	AMD	97-13-015	246-136-020	NEW-P	97-17-112
242-02-833	NEW	97-04-008	246-11-210	AMD-P	97-08-092	246-136-020	NEW	97-22-027
242-02-834	REP	97-04-008	246-11-210	AMD	97-13-015	246-136-030	NEW-E	97-16-025
242-02-840	NEW	97-04-008	246-11-270	AMD-P	97-08-092	246-136-030	NEW-P	97-17-112
242-02-850	REP	97-04-008	246-11-270	AMD	97-13-015	246-136-030	NEW	97-22-027
242-02-860	REP	97-04-008	246-11-290	AMD-P	97-08-092	246-136-040	NEW-E	97-16-025
242-02-870	REP	97-04-008	246-11-290	AMD	97-13-015	246-136-040	NEW-P	97-17-112
242-02-880	AMD	97-04-008	246-11-380	AMD-P	97-08-092	246-136-040	NEW	97-22-027
242-02-880	AMD-P	97-22-070	246-11-380	AMD	97-13-015	246-171-010	PREP-X	97-14-056
242-02-880	AMD	98-01-144	246-11-380	AMD	97-13-015	246-171-010	REP	97-20-101
242-02-890	AMD-W	97-04-009	246-11-510	AMD-P	97-08-092	246-171-020	PREP-X	97-14-056
242-02-890	AMD-P	97-22-070	246-11-510	AMD	97-13-015	246-171-020	REP	97-20-101
242-02-890	AMD	98-01-144	246-11-540	AMD-P	97-08-092	246-171-020	REP	97-20-101
242-02-891	NEW-P	97-22-070	246-11-540	AMD	97-13-015	246-171-030	PREP-X	97-14-056
242-02-891	NEW	98-01-144	246-11-550	AMD-P	97-08-092	246-171-030	REP	97-20-101
242-02-892	AMD	97-04-008	246-11-550	AMD	97-13-015	246-171-040	PREP-X	97-14-056
242-02-892	REP-P	97-22-070	246-11-580	AMD-P	97-08-092	246-171-040	REP	97-20-101
242-02-892	REP	98-01-144	246-11-580	AMD	97-13-015	246-171-050	PREP-X	97-14-056
242-02-892	REP	98-01-144	246-11-610	AMD-P	97-08-092	246-171-050	REP	97-20-101
242-02-893	NEW-P	97-22-070	246-11-610	AMD	97-13-015	246-171-060	PREP-X	97-14-056
242-02-893	NEW	98-01-144	246-12-001	NEW-P	98-01-166	246-171-060	REP	97-20-101
242-02-894	NEW-P	97-22-070	246-12-010	NEW-P	98-01-166	246-171-070	PREP-X	97-14-056
242-02-894	NEW	98-01-144	246-12-020	NEW-P	98-01-166	246-171-070	REP	97-20-101
242-02-896	NEW-P	97-22-070	246-12-030	NEW-P	98-01-166	246-171-080	PREP-X	97-14-056
242-02-896	NEW	98-01-144	246-12-040	NEW-P	98-01-166	246-171-080	REP	97-20-101
242-02-898	NEW-P	97-22-070	246-12-060	NEW-P	98-01-166	246-171-090	PREP-X	97-14-056
242-02-898	NEW	98-01-144	246-12-070	NEW-P	98-01-166	246-171-090	REP	97-20-101
242-04-030	AMD-P	97-22-070	246-12-080	NEW-P	98-01-166	246-171-100	PREP-X	97-14-056
242-04-030	AMD	98-01-144	246-12-090	NEW-P	98-01-166	246-171-100	REP	97-20-101
242-04-050	AMD	97-04-008	246-12-100	NEW-P	98-01-166	246-171-110	PREP-X	97-14-056
242-04-050	AMD-P	97-22-070	246-12-110	NEW-P	98-01-166	246-171-110	REP	97-20-101
242-04-050	AMD	98-01-144	246-12-120	NEW-P	98-01-166	246-171-120	PREP-X	97-14-056
242-04-100	AMD-P	97-22-070	246-12-130	NEW-P	98-01-166	246-171-120	REP	97-20-101
242-04-100	AMD	98-01-144	246-12-140	NEW-P	98-01-166	246-171-130	PREP-X	97-14-056
246-05-001	PREP	97-24-100	246-12-160	NEW-P	98-01-166	246-171-130	REP	97-20-101
246-05-010	PREP	97-24-100	246-12-165	NEW-P	98-01-166	246-171-140	PREP-X	97-14-056
246-05-020	PREP	98-01-155	246-12-170	NEW-P	98-01-166	246-171-140	REP	97-20-101
246-05-030	PREP	97-24-100	246-12-180	NEW-P	98-01-166	246-203-080	PREP-X	97-14-057
246-08-400	AMD-P	97-09-092	246-12-190	NEW-P	98-01-166	246-203-080	REP	97-20-100
246-08-400	AMD	97-12-087	246-12-200	NEW-P	98-01-166	246-203-090	PREP-X	97-14-057
246-10-102	AMD-P	97-08-092	246-12-210	NEW-P	98-01-166	246-203-090	REP	97-20-100
246-10-102	AMD	97-12-089	246-12-220	NEW-P	98-01-166	246-203-100	PREP-X	97-14-057
246-10-108	AMD-P	97-08-092	246-12-230	NEW-P	98-01-166	246-203-110	PREP-X	97-14-057
246-10-108	AMD	97-12-089	246-12-240	NEW-P	98-01-166	246-203-110	REP	97-20-100
246-10-109	AMD-P	97-08-092	246-12-250	NEW-P	98-01-166	246-203-140	PREP-X	97-14-057
246-10-109	AMD	97-12-089	246-12-260	NEW-P	98-01-166	246-203-140	REP	97-20-100
246-10-121	AMD-P	97-08-092	246-12-270	NEW-P	98-01-166	246-203-150	PREP-X	97-14-057
246-10-121	AMD	97-12-089	246-12-280	NEW-P	98-01-166	246-203-150	REP	97-20-100
246-10-122	AMD-P	97-08-092	246-12-290	NEW-P	98-01-166	246-203-160	PREP-X	97-14-057
246-10-122	AMD	97-12-089	246-12-300	NEW-P	98-01-166	246-203-170	PREP-X	97-14-057
246-10-203	AMD-P	97-08-092	246-12-310	NEW-P	98-01-166	246-203-170	REP	97-20-100
246-10-203	AMD	97-12-089	246-12-320	NEW-P	98-01-166	246-203-180	PREP-X	97-14-057
246-10-205	AMD-P	97-08-092						

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246-220-130	REP	97-20-101	246-318-070	REP	97-20-101	246-338-020	AMD	97-14-113
246-224-040	PREP-X	97-14-056	246-318-080	PREP-X	97-14-056	246-338-030	AMD-P	97-11-039
246-224-040	REP	97-20-101	246-318-080	REP	97-20-101	246-338-030	AMD	97-14-113
246-224-080	PREP-X	97-14-056	246-318-090	PREP-X	97-14-056	246-338-060	AMD-P	97-11-039
246-224-080	REP	97-20-101	246-318-090	REP	97-20-101	246-338-060	AMD	97-14-113
246-225-99910	PREP-X	97-14-056	246-318-100	PREP-X	97-14-056	246-338-070	AMD-P	97-11-039
246-225-99910	REP	97-20-101	246-318-100	REP	97-20-101	246-338-070	AMD	97-14-113
246-227-010	PREP-X	97-14-056	246-318-110	PREP-X	97-14-056	246-338-090	AMD-P	97-11-039
246-227-010	REP	97-20-101	246-318-110	REP	97-20-101	246-338-090	AMD	97-14-113
246-227-170	PREP-X	97-14-056	246-318-120	PREP-X	97-14-056	246-338-100	AMD-P	97-11-039
246-229-010	PREP-X	97-14-056	246-318-120	REP	97-20-101	246-338-100	AMD	97-14-113
246-229-010	REP	97-20-101	246-318-130	PREP-X	97-14-056	246-340-085	PREP-XR	97-20-156
246-229-040	PREP-X	97-14-056	246-318-130	REP	97-20-101	246-358-095	AMD-E	97-14-008
246-229-040	REP	97-20-101	246-318-135	PREP-X	97-14-056	246-360-060	PREP-X	97-14-057
246-232-060	AMD-P	97-03-126	246-318-135	REP	97-20-101	246-360-060	REP	97-20-100
246-232-060	AMD	97-08-095	246-318-140	PREP-X	97-14-056	246-360-170	PREP-X	97-14-057
246-235-075	AMD-P	97-03-126	246-318-140	REP	97-20-101	246-360-170	REP	97-20-100
246-235-075	AMD	97-08-095	246-318-340	PREP-X	97-14-056	246-360-210	PREP-X	97-14-057
246-252-010	AMD	97-13-055	246-318-340	REP	97-20-101	246-360-210	REP	97-20-100
246-252-030	AMD	97-13-055	246-318-360	PREP-X	97-14-056	246-374-050	PREP-X	97-14-057
246-254-053	AMD-P	97-21-137	246-318-360	REP	97-20-101	246-374-050	REP	97-20-100
246-254-053	AMD	98-01-047	246-318-410	PREP-X	97-14-056	246-374-060	PREP-X	97-14-057
246-271-070	PREP-X	97-14-057	246-318-410	REP	97-20-101	246-374-060	REP	97-20-100
246-271-070	REP	97-20-100	246-318-430	PREP-X	97-14-056	246-374-080	PREP-X	97-14-057
246-271-080	PREP-X	97-14-057	246-318-430	REP	97-20-101	246-374-080	REP	97-20-100
246-271-080	REP	97-20-100	246-318-435	PREP-X	97-14-056	246-374-100	PREP-X	97-14-057
246-271-110	PREP-X	97-14-057	246-318-435	REP	97-20-101	246-374-100	REP	97-20-100
246-280-040	PREP-X	97-14-057	246-318-501	PREP-X	97-14-056	246-374-130	PREP-X	97-14-057
246-280-040	REP	97-20-100	246-318-501	REP	97-20-101	246-374-130	REP	97-20-100
246-280-050	PREP-X	97-14-057	246-321-001	REP	97-03-080	246-376-050	PREP-X	97-14-057
246-280-050	REP	97-20-100	246-321-010	REP	97-03-080	246-376-050	REP	97-20-100
246-280-080	PREP-X	97-14-057	246-321-012	REP	97-03-080	246-376-080	PREP-X	97-14-057
246-280-080	REP	97-20-100	246-321-014	REP	97-03-080	246-376-080	REP	97-20-100
246-282-005	AMD-P	97-21-138	246-321-015	REP	97-03-080	246-376-100	PREP-X	97-14-057
246-282-990	AMD-P	97-08-025	246-321-017	REP	97-03-080	246-376-100	REP	97-20-100
246-282-990	AMD	97-12-031	246-321-018	REP	97-03-080	246-376-110	PREP-X	97-14-057
246-290	PREP	97-18-006	246-321-020	REP	97-03-080	246-376-110	REP	97-20-100
246-290-500	PREP-X	97-14-057	246-321-025	REP	97-03-080	246-490-019	PREP-XR	97-20-157
246-290-680	PREP-X	97-14-057	246-321-030	REP	97-03-080	246-510-001	PREP-X	97-14-056
246-290-680	REP	97-20-100	246-321-035	REP	97-03-080	246-510-001	REP	97-20-101
246-290-990	AMD-P	97-07-073	246-321-040	REP	97-03-080	246-510-010	PREP-X	97-14-056
246-290-990	AMD	97-12-032	246-321-045	REP	97-03-080	246-510-010	REP	97-20-101
246-291-370	PREP-X	97-14-057	246-321-050	REP	97-03-080	246-510-100	PREP-X	97-14-056
246-293-310	PREP-X	97-14-056	246-321-055	REP	97-03-080	246-510-100	REP	97-20-101
246-293-310	REP	97-20-101	246-321-990	REP	97-03-080	246-510-130	PREP-X	97-14-056
246-310-040	PREP-X	97-14-056	246-322-001	PREP-X	97-14-056	246-510-130	REP	97-20-101
246-310-041	PREP-X	97-14-056	246-322-001	REP	97-20-101	246-510-160	PREP-X	97-14-056
246-310-042	PREP-X	97-14-056	246-324-001	PREP-X	97-14-056	246-510-160	REP	97-20-101
246-310-060	PREP-X	97-14-056	246-324-001	REP	97-20-101	246-510-200	PREP-X	97-14-056
246-310-060	REP	97-20-101	246-325-001	PREP-X	97-14-056	246-510-200	REP	97-20-101
246-310-135	PREP-X	97-14-056	246-325-001	REP	97-20-101	246-510-300	PREP-X	97-14-056
246-310-135	REP	97-20-101	246-326-001	PREP-X	97-14-056	246-510-300	REP	97-20-101
246-310-630	PREP-X	97-14-056	246-326-001	REP	97-20-101	246-510-320	PREP-X	97-14-056
246-310-630	REP	97-20-101	246-327-001	PREP-X	97-14-056	246-510-320	REP	97-20-101
246-312-010	NEW-E	97-15-127	246-327-001	REP	97-20-101	246-510-400	PREP-X	97-14-056
246-312-010	NEW-P	97-18-090	246-327-990	AMD-P	97-11-087	246-510-400	REP	97-20-101
246-312-010	NEW	97-21-052	246-327-990	AMD	97-15-096	246-560-015	PREP-X	97-14-056
246-312-020	NEW-E	97-15-127	246-328-100	REP-P	98-01-166	246-560-015	REP	97-20-101
246-312-020	NEW-P	97-18-090	246-328-150	PREP-X	97-14-056	246-560-020	PREP-X	97-14-056
246-312-990	NEW	97-21-052	246-328-150	REP	97-20-101	246-560-020	REP	97-20-101
246-316-001	PREP-X	97-14-056	246-328-200	AMD-P	98-01-166	246-560-030	PREP-X	97-14-056
246-316-001	REP	97-20-101	246-328-990	AMD-P	98-01-166	246-560-030	REP	97-20-101
246-316-990	PREP	97-13-097	246-329-001	PREP-X	97-14-056	246-560-080	PREP-X	97-14-056
246-316-990	AMD-P	97-17-111	246-329-001	REP	97-20-101	246-560-080	REP	97-20-101
246-316-990	AMD-S	97-22-026	246-331-001	PREP-X	97-14-056	246-560-090	PREP-X	97-14-056
246-316-990	AMD	98-01-165	246-331-001	REP	97-20-101	246-560-090	REP	97-20-101
246-318-018	PREP-X	97-14-056	246-331-990	AMD-P	97-11-087	246-560-100	PREP-X	97-14-056
246-318-018	REP	97-20-101	246-331-990	AMD	97-15-096	246-560-100	REP	97-20-101
246-318-050	PREP-X	97-14-056	246-336-001	PREP-X	97-14-056	246-560-105	PREP-X	97-14-056
246-318-050	REP	97-20-101	246-336-001	REP	97-20-101	246-560-105	REP	97-20-101
246-318-060	PREP-X	97-14-056	246-336-990	AMD-P	97-11-087	246-560-110	PREP-X	97-14-056
246-318-060	REP	97-20-101	246-336-990	AMD	97-15-096	246-560-110	REP	97-20-101

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246-560-120	REP	97-20-101	246-810-035	NEW	97-17-113	246-810-364	REP	97-17-113
246-710	PREP	97-22-088	246-810-040	AMD-P	97-13-099	246-810-365	REP-P	97-13-099
246-710-040	PREP-X	97-14-057	246-810-040	AMD	97-17-113	246-810-365	REP	97-17-113
246-710-040	REP	97-20-100	246-810-045	NEW-P	97-13-099	246-810-366	REP-P	97-13-099
246-762-060	PREP-X	97-14-057	246-810-045	NEW	97-17-113	246-810-366	REP	97-17-113
246-762-060	REP	97-20-100	246-810-049	NEW-P	97-13-099	246-810-370	REP-P	97-13-099
246-762-070	PREP-X	97-14-057	246-810-049	NEW	97-17-113	246-810-370	REP	97-17-113
246-762-070	REP	97-20-100	246-810-050	REP-P	97-13-099	246-810-380	REP-P	97-13-099
246-790-010	AMD-P	97-13-098	246-810-050	REP	97-17-113	246-810-380	REP	97-17-113
246-790-010	AMD	97-16-117	246-810-060	AMD-P	97-13-099	246-810-510	AMD-P	97-13-099
246-790-050	AMD-P	97-13-098	246-810-060	AMD	97-17-113	246-810-510	AMD	97-17-113
246-790-050	AMD	97-16-117	246-810-061	AMD-P	97-13-099	246-810-520	AMD-P	97-13-099
246-790-060	AMD-P	97-13-098	246-810-061	AMD	97-17-113	246-810-520	AMD	97-17-113
246-790-060	AMD	97-16-117	246-810-062	AMD-P	97-13-099	246-810-521	AMD-P	97-13-099
246-790-070	AMD-P	97-13-098	246-810-062	AMD	97-17-113	246-810-521	AMD	97-17-113
246-790-070	AMD	97-16-117	246-810-063	AMD-P	97-13-099	246-810-530	REP-P	97-13-099
246-790-080	AMD-P	97-13-098	246-810-063	AMD	97-17-113	246-810-530	REP	97-17-113
246-790-080	AMD	97-16-117	246-810-064	AMD-P	97-13-099	246-810-532	NEW-P	97-13-099
246-790-085	NEW-P	97-13-098	246-810-064	AMD	97-17-113	246-810-532	NEW	97-17-113
246-790-085	NEW	97-16-117	246-810-065	AMD-P	97-13-099	246-810-534	NEW-P	97-13-099
246-790-090	AMD-P	97-13-098	246-810-065	AMD	97-17-113	246-810-534	NEW	97-17-113
246-790-090	AMD	97-16-117	246-810-066	AMD-P	97-13-099	246-810-540	AMD-P	97-13-099
246-790-100	AMD-P	97-13-098	246-810-066	AMD	97-17-113	246-810-540	AMD	97-17-113
246-790-100	AMD	97-16-117	246-810-070	AMD-P	97-13-099	246-810-541	REP-P	97-13-099
246-790-110	REP-P	97-13-098	246-810-070	AMD	97-17-113	246-810-541	REP	97-17-113
246-790-110	REP	97-16-117	246-810-080	AMD-P	97-13-099	246-810-542	REP-P	97-13-099
246-790-120	AMD-P	97-13-098	246-810-080	AMD	97-17-113	246-810-542	REP	97-17-113
246-790-120	AMD	97-16-117	246-810-080	AMD-P	98-01-166	246-810-545	NEW-P	97-13-099
246-790-130	AMD-P	97-13-098	246-810-110	NEW-P	97-13-099	246-810-545	NEW	97-17-113
246-790-130	AMD	97-16-117	246-810-110	NEW	97-17-113	246-810-548	NEW-P	97-13-099
246-802-020	REP-P	98-01-166	246-810-120	NEW-P	97-13-099	246-810-548	NEW	97-17-113
246-802-025	AMD-P	98-01-166	246-810-120	NEW	97-17-113	246-810-550	REP-P	97-13-099
246-802-030	PREP	97-16-088	246-810-130	NEW-P	97-13-099	246-810-550	REP	97-17-113
246-802-040	PREP	97-16-088	246-810-130	NEW	97-17-113	246-810-560	REP-P	97-13-099
246-802-050	PREP	97-16-088	246-810-130	AMD-P	98-01-166	246-810-560	REP	97-17-113
246-802-060	PREP	97-16-088	246-810-140	NEW-P	97-13-099	246-810-561	REP-P	97-13-099
246-802-090	AMD-P	98-01-166	246-810-140	NEW	97-17-113	246-810-561	REP	97-17-113
246-802-250	AMD-P	98-01-166	246-810-140	REP-P	98-01-166	246-810-562	REP-P	97-13-099
246-802-990	AMD-P	98-01-166	246-810-150	NEW-P	97-13-099	246-810-562	REP	97-17-113
246-808-105	AMD-P	98-01-166	246-810-150	NEW-W	97-20-153	246-810-563	REP-P	97-13-099
246-808-106	REP-P	98-01-166	246-810-152	NEW-P	97-13-099	246-810-563	REP	97-17-113
246-808-150	AMD-P	98-01-166	246-810-152	NEW-W	97-20-153	246-810-564	REP-P	97-13-099
246-808-155	AMD-P	98-01-166	246-810-310	AMD-P	97-13-099	246-810-564	REP	97-17-113
246-808-160	REP-P	98-01-166	246-810-310	AMD	97-17-113	246-810-565	REP-P	97-13-099
246-808-165	AMD-P	98-01-166	246-810-320	AMD-P	97-13-099	246-810-565	REP	97-17-113
246-808-180	AMD-P	98-01-166	246-810-320	AMD	97-17-113	246-810-566	REP-P	97-13-099
246-808-181	NEW-P	98-01-166	246-810-321	AMD-P	97-13-099	246-810-566	REP	97-17-113
246-808-185	REP-P	98-01-166	246-810-321	AMD	97-17-113	246-810-570	REP-P	97-13-099
246-808-215	AMD-P	98-01-166	246-810-330	REP-P	97-13-099	246-810-570	REP	97-17-113
246-808-410	PREP-X	97-14-058	246-810-330	REP	97-17-113	246-810-580	REP-P	97-13-099
246-808-410	REP	97-20-163	246-810-331	REP-P	97-13-099	246-810-580	REP	97-17-113
246-808-525	PREP-X	97-14-058	246-810-331	REP	97-17-113	246-810-710	NEW-P	97-13-099
246-808-525	REP	97-20-163	246-810-332	AMD-P	97-13-099	246-810-710	NEW	97-17-113
246-808-530	PREP-X	97-14-058	246-810-332	AMD	97-17-113	246-810-720	AMD-P	97-13-099
246-808-530	REP	97-20-163	246-810-334	NEW-P	97-13-099	246-810-720	AMD	97-17-113
246-808-710	PREP-X	97-14-058	246-810-334	NEW	97-17-113	246-810-721	NEW-P	97-13-099
246-808-710	REP	97-20-163	246-810-340	AMD-P	97-13-099	246-810-721	NEW	97-17-113
246-808-990	AMD-P	98-01-166	246-810-340	AMD	97-17-113	246-810-730	REP-P	97-13-099
246-810-010	AMD-P	97-13-099	246-810-345	NEW-P	97-13-099	246-810-730	REP	97-17-113
246-810-010	AMD	97-17-113	246-810-345	NEW	97-17-113	246-810-731	REP-P	97-13-099
246-810-020	AMD-P	97-13-099	246-810-348	NEW-P	97-13-099	246-810-731	REP	97-17-113
246-810-020	AMD	97-17-113	246-810-348	NEW	97-17-113	246-810-732	NEW-P	97-13-099
246-810-020	REP-P	98-01-166	246-810-350	REP-P	97-13-099	246-810-732	NEW	97-17-113
246-810-022	NEW-P	97-13-099	246-810-350	REP	97-17-113	246-810-734	NEW-P	97-13-099
246-810-022	NEW	97-17-113	246-810-360	REP-P	97-13-099	246-810-734	NEW	97-17-113
246-810-022	REP-P	98-01-166	246-810-360	REP	97-17-113	246-810-740	AMD-P	97-13-099
246-810-030	AMD-P	97-13-099	246-810-361	REP-P	97-13-099	246-810-740	AMD	97-17-113
246-810-030	AMD	97-17-113	246-810-361	REP	97-17-113	246-810-741	REP-P	97-13-099
246-810-031	AMD-P	97-13-099	246-810-362	REP-P	97-13-099	246-810-741	REP	97-17-113
246-810-031	AMD	97-17-113	246-810-362	REP	97-17-113	246-810-745	NEW-P	97-13-099
246-810-032	AMD-P	97-13-099	246-810-363	REP-P	97-13-099	246-810-745	NEW	97-17-113
246-810-032	AMD	97-17-113	246-810-363	REP	97-17-113	246-810-748	NEW-P	97-13-099

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246-810-750	REP-P	97-13-099	246-828-070	AMD	97-15-128	246-836-070	REP	97-20-101
246-810-750	REP	97-17-113	246-828-075	AMD-XA	97-19-099	246-836-080	PREP-X	97-14-056
246-810-760	REP-P	97-13-099	246-828-080	AMD-XA	97-19-099	246-836-080	AMD-P	98-01-166
246-810-760	REP	97-17-113	246-828-090	AMD-XA	97-19-099	246-836-090	PREP-X	97-14-056
246-810-761	REP-P	97-13-099	246-828-100	AMD-XA	97-19-099	246-836-090	REP-P	98-01-166
246-810-761	REP	97-17-113	246-828-270	AMD-XA	97-19-099	246-836-190	PREP-X	97-14-056
246-810-762	REP-P	97-13-099	246-828-280	AMD-XA	97-19-099	246-836-190	REP	97-20-101
246-810-762	REP	97-17-113	246-828-290	PREP	97-22-090	246-836-400	PREP-X	97-14-056
246-810-763	REP-P	97-13-099	246-828-295	AMD-XA	97-19-099	246-836-400	REP	97-20-101
246-810-763	REP	97-17-113	246-828-295	AMD-P	98-01-166	246-836-410	AMD-P	98-01-166
246-810-764	REP-P	97-13-099	246-828-300	AMD-XA	97-19-099	246-836-990	AMD-P	97-24-101
246-810-764	REP	97-17-113	246-828-300	AMD-P	98-01-166	246-836-990	AMD-P	98-01-166
246-810-765	REP-P	97-13-099	246-828-320	AMD-XA	97-19-099	246-838	PREP-W	97-03-066
246-810-765	REP	97-17-113	246-828-330	AMD-XA	97-19-099	246-838	PREP-W	97-03-067
246-810-766	REP-P	97-13-099	246-828-340	AMD-XA	97-19-099	246-838-010	REP-P	97-07-074
246-810-766	REP	97-17-113	246-828-350	AMD-XA	97-19-099	246-838-010	REP	97-13-100
246-810-770	REP-P	97-13-099	246-828-370	AMD-XA	97-19-099	246-838-020	REP-P	97-07-074
246-810-770	REP	97-17-113	246-828-370	AMD-P	98-01-166	246-838-020	REP	97-13-100
246-810-780	REP-P	97-13-099	246-828-400	PREP-X	97-14-060	246-838-026	REP-P	97-07-074
246-810-780	REP	97-17-113	246-828-400	REP	97-20-104	246-838-026	REP	97-13-100
246-810-990	AMD-P	97-13-099	246-828-410	PREP-X	97-14-060	246-838-030	REP-P	97-07-074
246-810-990	AMD	97-17-113	246-828-410	REP	97-20-104	246-838-030	REP	97-13-100
246-810-990	AMD-P	98-01-166	246-828-420	PREP-X	97-14-060	246-838-040	REP-P	97-07-074
246-812-120	AMD-P	98-01-166	246-828-420	REP	97-20-104	246-838-040	REP-W	97-20-117
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246-812-140	REP-P	98-01-166	246-828-430	REP	97-20-104	246-838-050	REP	97-13-100
246-812-160	AMD-P	98-01-166	246-828-510	PREP	97-15-097	246-838-060	REP-P	97-07-074
246-812-161	NEW-P	98-01-166	246-828-510	AMD-P	98-01-166	246-838-060	REP	97-13-100
246-812-990	AMD-P	98-01-166	246-828-520	REP-P	98-01-166	246-838-070	REP-P	97-07-074
246-812-995	NEW-P	98-01-166	246-828-530	AMD-P	98-01-166	246-838-070	REP	97-13-100
246-815-020	AMD-P	98-01-166	246-828-540	REP-P	98-01-166	246-838-080	REP-P	97-07-074
246-815-040	REP-P	98-01-166	246-828-560	REP-P	98-01-166	246-838-080	REP	97-13-100
246-815-100	AMD-P	98-01-166	246-828-990	AMD	97-04-043	246-838-090	REP-P	97-07-074
246-815-140	AMD-P	98-01-166	246-828-990	AMD-P	98-01-166	246-838-090	REP	97-13-100
246-815-150	REP-P	98-01-166	246-830-035	AMD-P	98-01-166	246-838-100	REP-P	97-07-074
246-815-300	REP-P	98-01-166	246-830-050	REP-P	98-01-166	246-838-100	REP	97-13-100
246-815-990	AMD-P	98-01-166	246-830-220	PREP-X	97-14-056	246-838-110	REP-P	97-07-074
246-817-110	AMD-P	98-01-166	246-830-220	REP	97-20-101	246-838-110	REP	97-13-100
246-817-150	AMD-P	98-01-166	246-830-230	PREP-X	97-14-056	246-838-120	REP-P	97-07-074
246-817-201	REP-P	98-01-166	246-830-230	REP	97-20-101	246-838-120	REP	97-13-100
246-817-210	AMD-P	98-01-166	246-830-240	PREP-X	97-14-056	246-838-121	REP-P	97-07-074
246-817-990	AMD-P	98-01-166	246-830-240	REP	97-20-101	246-838-121	REP	97-13-100
246-822-100	PREP-X	97-14-056	246-830-250	PREP-X	97-14-056	246-838-130	REP-P	97-07-074
246-822-100	REP	97-20-101	246-830-250	REP	97-20-101	246-838-130	REP	97-13-100
246-822-110	REP-P	98-01-166	246-830-255	PREP-X	97-14-056	246-838-250	REP-P	97-07-074
246-822-120	AMD-P	98-01-166	246-830-255	REP	97-20-101	246-838-250	REP	97-13-100
246-822-140	PREP-X	97-14-056	246-830-260	PREP-X	97-14-056	246-838-260	REP-P	97-07-074
246-822-140	REP	97-20-101	246-830-260	REP	97-20-101	246-838-260	REP	97-13-100
246-822-990	AMD-P	98-01-166	246-830-270	PREP-X	97-14-056	246-838-270	REP-P	97-07-074
246-824-020	AMD-P	98-01-166	246-830-270	REP	97-20-101	246-838-270	REP	97-13-100
246-824-040	AMD-P	98-01-166	246-830-280	PREP-X	97-14-056	246-838-280	REP-P	97-07-074
246-824-071	AMD-P	98-01-166	246-830-280	REP	97-20-101	246-838-280	REP	97-13-100
246-824-073	AMD-P	98-01-166	246-830-460	AMD-P	98-01-166	246-838-290	REP-P	97-07-074
246-824-074	NEW-P	98-01-166	246-830-465	REP-P	98-01-166	246-838-290	REP	97-13-100
246-824-075	AMD-P	98-01-166	246-830-470	REP-P	98-01-166	246-838-300	REP-P	97-07-074
246-824-170	AMD-P	98-01-166	246-830-480	REP-P	98-01-166	246-838-300	REP	97-13-100
246-824-990	AMD-P	98-01-166	246-830-690	PREP-X	97-14-056	246-838-310	REP-P	97-07-074
246-824-995	NEW-P	98-01-166	246-830-690	REP	97-20-101	246-838-310	REP	97-13-100
246-826-050	AMD-P	98-01-166	246-830-990	AMD-P	98-01-166	246-838-330	REP-P	97-07-074
246-826-230	AMD-P	98-01-166	246-834-060	AMD-P	98-01-166	246-838-330	REP	97-13-100
246-826-990	AMD-P	98-01-166	246-834-065	AMD-P	98-01-166	246-838-340	REP-P	97-07-074
246-826-995	NEW-P	98-01-166	246-834-170	AMD-P	98-01-166	246-838-340	REP	97-13-100
246-828-005	AMD-XA	97-19-099	246-834-200	AMD-P	98-01-166	246-838-350	REP-P	97-07-074
246-828-015	NEW	97-04-042	246-834-220	PREP	97-22-024	246-838-350	REP	97-13-100
246-828-030	AMD-XA	97-19-099	246-834-230	PREP	97-22-024	246-838-360	REP-P	97-07-074
246-828-050	REP-P	98-01-166	246-834-240	PREP	97-22-024	246-838-360	REP	97-13-100
246-828-055	AMD-P	97-12-086	246-834-260	AMD-P	98-01-166	246-839	PREP-W	97-03-066
246-828-055	AMD	97-15-128	246-834-350	PREP-X	97-14-056	246-839	PREP-W	97-03-067
246-828-060	PREP-X	97-14-059	246-834-350	REP	97-20-101	246-839-010	REP-P	97-07-074
246-828-060	REP	97-20-102	246-834-400	NEW-P	98-01-166	246-839-010	REP	97-13-100
246-828-065	PREP-X	97-14-059	246-834-500	REP-P	98-01-166	246-839-020	REP-P	97-07-074
246-828-065	REP	97-20-102	246-834-990	PREP	97-22-023	246-839-020	REP	97-13-100

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
246-839-030	REP-P	97-08-093	246-839-745	REP	97-13-100	246-840-120	NEW	97-13-100
246-839-030	REP	97-17-015	246-839-750	REP-P	97-07-074	246-840-120	AMD-P	98-01-166
246-839-040	REP-P	97-07-074	246-839-750	REP	97-13-100	246-840-130	NEW-P	97-07-074
246-839-040	REP	97-13-100	246-839-760	REP-P	97-07-074	246-840-130	NEW	97-13-100
246-839-050	REP-P	97-07-074	246-839-760	REP	97-13-100	246-840-300	NEW-P	97-07-074
246-839-050	REP	97-13-100	246-839-770	REP-P	97-07-074	246-840-300	NEW	97-13-100
246-839-060	REP-P	97-07-074	246-839-770	REP	97-13-100	246-840-305	NEW-P	97-07-074
246-839-060	REP	97-13-100	246-839-780	REP-P	97-07-074	246-840-305	NEW	97-13-100
246-839-070	REP-P	97-07-074	246-839-780	REP	97-13-100	246-840-310	NEW-P	97-07-074
246-839-070	REP	97-13-100	246-839-800	REP-P	97-07-074	246-840-310	NEW	97-13-100
246-839-080	REP-P	97-07-074	246-839-800	REP	97-13-100	246-840-315	NEW-P	97-07-074
246-839-080	REP	97-13-100	246-839-810	REP-P	97-07-074	246-840-315	NEW	97-13-100
246-839-090	REP-P	97-07-074	246-839-810	REP	97-13-100	246-840-320	NEW-P	97-07-074
246-839-090	REP	97-13-100	246-839-820	REP-P	97-07-074	246-840-320	NEW	97-13-100
246-839-100	REP-P	97-07-074	246-839-820	REP	97-13-100	246-840-330	NEW-P	97-07-074
246-839-100	REP	97-13-100	246-839-830	REP-P	97-07-074	246-840-330	NEW	97-13-100
246-839-105	REP-P	97-07-074	246-839-830	REP	97-13-100	246-840-340	NEW-P	97-07-074
246-839-105	REP	97-13-100	246-839-840	REP-P	97-07-074	246-840-340	NEW	97-13-100
246-839-110	REP-P	97-07-074	246-839-840	REP	97-13-100	246-840-340	AMD-P	98-01-166
246-839-110	REP	97-13-100	246-839-850	REP-P	97-07-074	246-840-345	NEW-P	97-07-074
246-839-115	REP-P	97-07-074	246-839-850	REP	97-13-100	246-840-345	NEW	97-13-100
246-839-115	REP	97-13-100	246-839-860	REP-P	97-07-074	246-840-350	NEW-P	97-07-074
246-839-120	REP-P	97-07-074	246-839-860	REP-S	97-12-030	246-840-350	NEW	97-13-100
246-839-120	REP	97-13-100	246-839-860	REP	97-17-049	246-840-350	AMD-P	98-01-166
246-839-130	REP-P	97-07-074	246-839-870	REP-P	97-07-074	246-840-360	NEW-P	97-07-074
246-839-130	REP	97-13-100	246-839-870	REP	97-13-100	246-840-360	NEW	97-13-100
246-839-300	REP-P	97-07-074	246-839-880	REP-P	97-07-074	246-840-360	AMD-P	98-01-166
246-839-300	REP	97-13-100	246-839-880	REP	97-13-100	246-840-365	NEW-P	97-07-074
246-839-305	REP-P	97-07-074	246-839-890	REP-P	97-07-074	246-840-365	NEW	97-13-100
246-839-305	REP	97-13-100	246-839-890	REP	97-13-100	246-840-365	AMD-P	98-01-166
246-839-310	REP-P	97-07-074	246-839-900	REP-P	97-07-074	246-840-370	NEW-P	97-07-074
246-839-310	REP	97-13-100	246-839-900	REP	97-13-100	246-840-370	NEW	97-13-100
246-839-315	REP-P	97-07-074	246-840-010	NEW-P	97-07-074	246-840-400	NEW-P	97-07-074
246-839-315	REP	97-13-100	246-840-010	NEW	97-13-100	246-840-400	NEW	97-13-100
246-839-320	REP-P	97-07-074	246-840-010	AMD-P	97-20-161	246-840-410	NEW-P	97-07-074
246-839-320	REP	97-13-100	246-840-010	AMD-P	98-01-166	246-840-410	NEW	97-13-100
246-839-330	REP-P	97-07-074	246-840-020	NEW-P	97-07-074	246-840-410	AMD-P	98-01-166
246-839-330	REP	97-13-100	246-840-020	NEW	97-13-100	246-840-420	NEW-P	97-07-074
246-839-340	REP-P	97-07-074	246-840-020	AMD-P	98-01-166	246-840-420	NEW	97-13-100
246-839-340	REP	97-13-100	246-840-030	NEW-P	97-07-074	246-840-430	NEW-P	97-07-074
246-839-345	REP-P	97-07-074	246-840-030	NEW-P	97-08-093	246-840-430	NEW	97-13-100
246-839-345	REP	97-13-100	246-840-030	NEW-W	97-09-061	246-840-440	NEW-P	97-07-074
246-839-350	REP-P	97-07-074	246-840-030	NEW	97-17-015	246-840-440	NEW	97-13-100
246-839-350	REP	97-13-100	246-840-040	NEW-P	97-07-074	246-840-440	AMD-P	98-01-166
246-839-360	REP-P	97-07-074	246-840-040	NEW	97-13-100	246-840-450	NEW-P	97-07-074
246-839-360	REP	97-13-100	246-840-040	AMD-P	98-01-166	246-840-450	NEW	97-13-100
246-839-365	REP-P	97-07-074	246-840-050	NEW-P	97-07-074	246-840-450	AMD-P	98-01-166
246-839-365	REP	97-13-100	246-840-050	NEW	97-13-100	246-840-540	AMD-P	97-07-074
246-839-370	REP-P	97-07-074	246-840-060	NEW-P	97-07-074	246-840-540	AMD	97-13-100
246-839-370	REP	97-13-100	246-840-060	NEW	97-13-100	246-840-565	AMD-P	97-07-074
246-839-400	REP-P	97-07-074	246-840-070	NEW-P	97-07-074	246-840-565	AMD	97-13-100
246-839-400	REP	97-13-100	246-840-070	NEW	97-13-100	246-840-700	NEW-P	97-07-074
246-839-410	REP-P	97-07-074	246-840-080	NEW-P	97-07-074	246-840-700	NEW	97-13-100
246-839-410	REP	97-13-100	246-840-080	NEW	97-13-100	246-840-705	NEW-P	97-07-074
246-839-420	REP-P	97-07-074	246-840-080	AMD-P	98-01-166	246-840-705	NEW	97-13-100
246-839-420	REP	97-13-100	246-840-090	NEW-P	97-07-074	246-840-710	NEW-P	97-07-074
246-839-430	REP-P	97-07-074	246-840-090	NEW	97-13-100	246-840-710	NEW	97-13-100
246-839-430	REP	97-13-100	246-840-090	AMD-P	98-01-166	246-840-715	NEW-P	97-07-074
246-839-440	REP-P	97-07-074	246-840-100	NEW-P	97-07-074	246-840-715	NEW	97-13-100
246-839-440	REP	97-13-100	246-840-100	NEW	97-13-100	246-840-720	NEW-P	97-07-074
246-839-450	REP-P	97-07-074	246-840-100	REP-P	98-01-166	246-840-720	NEW	97-13-100
246-839-450	REP	97-13-100	246-840-105	NEW-P	97-07-074	246-840-730	NEW-P	97-07-074
246-839-700	REP-P	97-07-074	246-840-105	NEW	97-13-100	246-840-730	NEW	97-13-100
246-839-700	REP	97-13-100	246-840-110	NEW-P	97-07-074	246-840-745	NEW-P	97-07-074
246-839-710	REP-P	97-07-074	246-840-110	NEW	97-13-100	246-840-745	NEW	97-13-100
246-839-710	REP	97-13-100	246-840-110	REP-P	98-01-166	246-840-747	NEW-P	97-07-074
246-839-720	REP-P	97-07-074	246-840-111	NEW-P	98-01-166	246-840-747	NEW	97-13-100
246-839-720	REP	97-13-100	246-840-113	NEW-P	97-07-074	246-840-750	NEW-P	97-07-074
246-839-730	REP-P	97-07-074	246-840-113	NEW	97-13-100	246-840-750	NEW	97-13-100
246-839-730	REP	97-13-100	246-840-115	NEW-P	97-07-074	246-840-760	NEW-P	97-07-074
246-839-740	REP-P	97-07-074	246-840-115	NEW	97-13-100	246-840-760	NEW	97-13-100
246-839-740	REP	97-13-100	246-840-115	REP-P	98-01-166	246-840-770	NEW-P	97-07-074
246-839-745	REP-P	97-07-074	246-840-120	NEW-P	97-07-074	246-840-770	NEW	97-13-100

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
246-840-780	NEW-P	97-07-074	246-843-225	PREP	98-01-162	246-854-080	AMD-P	98-01-166
246-840-780	NEW	97-13-100	246-843-230	PREP	98-01-158	246-854-110	AMD-P	98-01-166
246-840-800	NEW-P	97-07-074	246-843-230	AMD-P	98-01-166	246-855-100	AMD-P	98-01-166
246-840-800	NEW	97-13-100	246-843-250	REP-P	98-01-166	246-861-010	AMD-P	98-01-166
246-840-810	NEW-P	97-07-074	246-843-320	REP-P	98-01-166	246-861-020	AMD-P	98-01-166
246-840-810	NEW	97-13-100	246-843-330	AMD-P	98-01-166	246-861-030	PREP-X	97-14-062
246-840-820	NEW-P	97-07-074	246-843-340	PREP	98-01-162	246-861-030	REP	97-20-164
246-840-820	NEW	97-13-100	246-843-990	AMD-P	98-01-166	246-861-120	REP-P	98-01-166
246-840-830	NEW-P	97-07-074	246-845-100	REP-P	98-01-166	246-863-030	AMD-P	98-01-166
246-840-830	NEW	97-13-100	246-845-990	AMD-P	98-01-166	246-863-050	REP-P	98-01-166
246-840-840	NEW-P	97-07-074	246-847-055	AMD-P	98-01-166	246-863-070	AMD-P	98-01-166
246-840-840	NEW	97-13-100	246-847-060	REP-P	98-01-166	246-863-080	AMD-P	98-01-166
246-840-850	NEW-P	97-07-074	246-847-065	AMD-P	98-01-166	246-863-090	AMD-P	98-01-166
246-840-850	NEW	97-13-100	246-847-068	AMD-P	98-01-166	246-863-120	AMD-P	98-01-166
246-840-860	NEW-P	97-07-074	246-847-070	AMD-P	98-01-166	246-865	PREP	97-11-038
246-840-860	NEW-S	97-12-030	246-847-190	AMD-P	98-01-166	246-869-050	REP-P	98-01-166
246-840-860	NEW	97-17-049	246-847-200	REP-P	98-01-166	246-869-260	PREP-X	97-14-069
246-840-870	NEW-P	97-07-074	246-847-990	AMD-P	98-01-166	246-869-260	REP	97-20-165
246-840-870	NEW	97-13-100	246-849-110	AMD-P	98-01-166	246-877-030	PREP-X	97-14-064
246-840-880	NEW-P	97-07-074	246-849-210	AMD-P	98-01-166	246-877-030	REP	97-20-166
246-840-880	NEW	97-13-100	246-849-220	AMD-P	98-01-166	246-879-070	AMD-P	98-01-166
246-840-890	NEW-P	97-07-074	246-849-260	AMD-P	98-01-166	246-887-020	AMD-P	98-01-166
246-840-890	NEW	97-13-100	246-849-990	AMD-P	98-01-166	246-887-140	AMD-P	97-09-063
246-840-900	NEW-P	97-07-074	246-849-995	NEW-P	98-01-166	246-887-140	AMD	97-21-054
246-840-900	NEW	97-13-100	246-851-020	REP-P	98-01-166	246-887-170	AMD-P	97-23-076
246-840-930	AMD-P	97-07-074	246-851-090	AMD-P	97-08-094	246-893	PREP-X	97-14-065
246-840-930	AMD	97-13-100	246-851-090	AMD	97-12-088	246-893-001	REP	97-20-167
246-840-940	AMD-P	97-07-074	246-851-090	AMD-P	98-01-166	246-893-010	REP	97-20-167
246-840-940	AMD	97-13-100	246-851-100	AMD-P	97-08-094	246-893-020	REP	97-20-167
246-840-985	NEW-P	97-20-161	246-851-100	AMD	97-12-088	246-893-030	REP	97-20-167
246-840-990	AMD-P	97-20-162	246-851-100	REP-P	98-01-166	246-893-040	REP	97-20-167
246-840-990	AMD	97-23-075	246-851-110	AMD-P	97-08-094	246-893-050	REP	97-20-167
246-840-990	AMD-P	98-01-166	246-851-110	AMD	97-12-088	246-893-060	REP	97-20-167
246-841-520	NEW-P	98-01-166	246-851-120	AMD-P	97-08-094	246-893-070	REP	97-20-167
246-841-610	AMD-P	98-01-166	246-851-120	AMD	97-12-088	246-893-080	REP	97-20-167
246-841-710	PREP-X	97-14-061	246-851-140	AMD-P	97-08-094	246-893-090	REP	97-20-167
246-841-710	REP	97-20-101	246-851-140	AMD	97-12-088	246-893-100	REP	97-20-167
246-841-730	PREP-X	97-14-061	246-851-150	AMD-P	97-08-094	246-893-110	REP	97-20-167
246-841-730	REP	97-20-101	246-851-150	AMD	97-12-088	246-893-120	REP	97-20-167
246-841-740	PREP-X	97-14-061	246-851-160	AMD-P	97-08-094	246-893-130	REP	97-20-167
246-841-740	REP	97-20-101	246-851-160	AMD	97-12-088	246-893-140	REP	97-20-167
246-841-750	PREP-X	97-14-061	246-851-170	AMD-P	97-08-094	246-893-998	REP	97-20-167
246-841-750	REP	97-20-101	246-851-170	AMD	97-12-088	246-897-030	PREP-X	97-14-066
246-841-990	AMD-P	98-01-166	246-851-180	AMD-P	97-08-094	246-897-030	REP	97-20-168
246-843-001	PREP	98-01-156	246-851-180	AMD	97-12-088	246-897-040	PREP-X	97-14-066
246-843-010	PREP	98-01-157	246-851-190	AMD-P	97-08-094	246-897-040	REP	97-20-168
246-843-030	PREP	98-01-156	246-851-190	AMD	97-12-088	246-897-050	PREP-X	97-14-066
246-843-040	PREP	98-01-156	246-851-200	AMD-P	97-08-094	246-897-050	REP	97-20-168
246-843-050	PREP	98-01-156	246-851-200	AMD	97-12-088	246-897-120	PREP-X	97-14-066
246-843-070	PREP	98-01-158	246-851-210	REP-P	97-08-094	246-897-120	REP	97-20-168
246-843-080	PREP	98-01-158	246-851-210	REP	97-12-088	246-897-130	PREP-X	97-14-066
246-843-090	PREP	98-01-159	246-851-220	AMD-P	97-08-094	246-897-130	REP	97-20-168
246-843-095	PREP	98-01-159	246-851-220	AMD	97-12-088	246-897-140	PREP-X	97-14-066
246-843-100	PREP	98-01-158	246-851-220	REP-P	98-01-166	246-897-140	REP	97-20-168
246-843-110	PREP	98-01-158	246-851-230	AMD-P	97-08-094	246-897-150	PREP-X	97-14-066
246-843-115	PREP	98-01-158	246-851-230	AMD	97-12-088	246-897-150	REP	97-20-168
246-843-120	PREP	98-01-158	246-851-240	AMD-P	97-08-094	246-897-160	PREP-X	97-14-066
246-843-122	PREP	98-01-158	246-851-240	AMD	97-12-088	246-897-160	REP	97-20-168
246-843-125	PREP	98-01-160	246-851-240	REP-P	98-01-166	246-897-170	PREP-X	97-14-066
246-843-130	PREP	98-01-160	246-851-430	AMD-P	98-01-166	246-897-170	REP	97-20-168
246-843-150	PREP	98-01-160	246-851-510	REP-P	98-01-166	246-897-180	PREP-X	97-14-066
246-843-150	AMD-P	98-01-166	246-851-990	AMD-P	98-01-166	246-897-180	REP	97-20-168
246-843-155	PREP	98-01-160	246-853-040	REP-P	98-01-166	246-897-190	PREP-X	97-14-066
246-843-155	REP-P	98-01-166	246-853-045	AMD-P	98-01-166	246-897-190	REP	97-20-168
246-843-158	PREP-X	97-14-056	246-853-060	AMD-P	98-01-166	246-901	PREP	97-16-087
246-843-158	REP	97-20-101	246-853-080	AMD-P	98-01-166	246-901-065	AMD-P	98-01-166
246-843-160	REP-P	98-01-166	246-853-210	AMD-P	98-01-166	246-901-120	AMD-P	98-01-166
246-843-162	AMD-P	98-01-166	246-853-230	AMD-P	98-01-166	246-907	PREP	98-01-163
246-843-170	PREP	98-01-158	246-853-240	REP-P	98-01-166	246-907-020	AMD	97-06-019
246-843-180	AMD-P	98-01-166	246-853-270	REP-P	98-01-166	246-907-020	REP-P	98-01-166
246-843-200	PREP	98-01-161	246-853-275	REP-P	98-01-166	246-907-030	AMD	97-06-019
246-843-205	PREP	98-01-161	246-853-990	AMD-P	98-01-166	246-907-030	AMD-P	98-01-166
246-843-220	PREP	98-01-162	246-854-050	AMD-P	98-01-166	246-907-995	NEW-P	98-01-166

TABLE

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
246-915-010	AMD-P	98-01-166	246-933-180	REP-P	98-01-166	249A-02-350	NEW-W	97-09-043
246-915-050	AMD-P	98-01-166	246-933-305	AMD-P	98-01-166	249A-02-360	NEW-W	97-09-043
246-915-060	REP-P	98-01-166	246-933-420	AMD-P	98-01-166	249A-02-410	NEW-W	97-09-043
246-915-080	PREP-X	97-14-067	246-933-430	REP-P	98-01-166	249A-02-420	NEW-W	97-09-043
246-915-080	REP	97-20-103	246-933-470	REP-P	98-01-166	249A-02-430	NEW-W	97-09-043
246-915-085	AMD-P	98-01-166	246-933-480	AMD-P	98-01-166	249A-02-440	NEW-W	97-09-043
246-915-090	PREP-X	97-14-067	246-933-980	PREP-X	97-14-056	249A-02-450	NEW-W	97-09-043
246-915-090	REP	97-20-103	246-933-980	REP	97-20-101	249A-02-460	NEW-W	97-09-043
246-915-110	AMD-P	98-01-166	246-933-990	AMD-P	98-01-166	249A-02-470	NEW-W	97-09-043
246-915-990	AMD-P	98-01-166	246-935-125	PREP-X	97-14-056	249A-02-510	NEW-W	97-09-043
246-918-006	REP-P	98-01-166	246-935-125	REP	97-20-101	249A-02-520	NEW-W	97-09-043
246-918-008	PREP-XR	97-20-159	246-935-130	AMD-P	98-01-166	249A-02-540	NEW-W	97-09-043
246-918-009	PREP-XR	97-20-159	246-935-990	AMD-P	98-01-166	249A-02-560	NEW-W	97-09-043
246-918-080	AMD-P	98-01-166	246-937-050	AMD-P	98-01-166	249A-02-600	NEW-W	97-09-043
246-918-081	NEW-P	98-01-166	246-937-080	AMD-P	98-01-166	249A-02-650	NEW-W	97-09-043
246-918-085	REP-P	98-01-166	246-937-100	PREP-X	97-14-056	249A-02-810	NEW-W	97-09-043
246-918-160	PREP-XR	97-20-160	246-937-100	REP	97-20-101	249A-02-830	NEW-W	97-09-043
246-918-170	AMD-P	98-01-166	246-937-990	AMD-P	98-01-166	249A-02-860	NEW-W	97-09-043
246-918-180	AMD-P	98-01-166	246-976-090	PREP-X	97-14-056	250-10-010	PREP-XR	97-20-089
246-918-990	AMD-P	98-01-166	246-976-090	REP	97-20-101	250-10-020	PREP-XR	97-20-089
246-919-030	REP-P	98-01-166	246-976-115	PREP-X	97-14-056	250-10-022	PREP-XR	97-20-089
246-919-305	REP-P	98-01-166	246-976-115	REP	97-20-101	250-10-026	PREP-XR	97-20-089
246-919-380	AMD-P	98-01-166	246-976-470	REP-P	97-24-102	250-10-028	PREP-XR	97-20-089
246-919-400	REP-P	98-01-166	246-976-475	REP-P	97-24-102	250-10-030	PREP-XR	97-20-089
246-919-410	REP-P	98-01-166	246-976-480	REP-P	97-24-102	250-10-040	PREP-XR	97-20-089
246-919-420	REP-P	98-01-166	246-976-485	NEW-P	97-24-102	250-10-050	PREP-XR	97-20-089
246-919-430	AMD-P	98-01-166	246-976-490	NEW-P	97-24-102	250-10-060	PREP-XR	97-20-089
246-919-440	REP-P	98-01-166	246-976-500	AMD-P	97-24-102	250-10-070	PREP-XR	97-20-089
246-919-460	AMD-P	98-01-166	246-976-510	AMD-P	97-24-102	250-10-080	PREP-XR	97-20-089
246-919-480	AMD-P	98-01-166	246-976-520	AMD-P	97-24-102	250-10-090	PREP-XR	97-20-089
246-919-500	PREP-XR	97-20-159	246-976-550	AMD-P	97-24-102	250-10-100	PREP-XR	97-20-089
246-919-510	PREP-XR	97-20-159	246-976-560	AMD-P	97-24-102	250-10-110	PREP-XR	97-20-089
246-919-520	NEW-P	97-15-126	246-976-570	AMD-P	97-24-102	250-10-120	PREP-XR	97-20-089
246-919-520	NEW	97-21-053	246-976-600	AMD-P	97-24-102	250-10-130	PREP-XR	97-20-089
246-919-990	AMD-P	97-12-085	246-976-610	AMD-P	97-24-102	250-10-140	PREP-XR	97-20-089
246-919-990	AMD	97-15-100	246-976-615	NEW-P	97-24-102	250-10-150	PREP-XR	97-20-089
246-919-990	AMD-P	98-01-166	246-976-620	NEW-P	97-24-102	250-10-160	PREP-XR	97-20-089
246-922-070	AMD-P	98-01-166	246-976-640	AMD-P	97-24-102	250-10-170	PREP-XR	97-20-089
246-922-275	REP-P	98-01-166	246-976-650	AMD-P	97-24-102	250-12-010	PREP-XR	97-20-091
246-922-280	REP-P	98-01-166	246-976-680	AMD-P	97-24-102	250-12-020	PREP-XR	97-20-091
246-922-285	NEW-P	98-01-166	246-976-690	AMD-P	97-24-102	250-12-030	PREP-XR	97-20-091
246-922-290	AMD-P	98-01-166	246-976-720	AMD-P	97-24-102	250-12-040	PREP-XR	97-20-091
246-922-295	AMD-P	98-01-166	246-976-730	AMD-P	97-24-102	250-12-050	PREP-XR	97-20-091
246-922-300	AMD-P	98-01-166	246-976-740	AMD-P	97-24-102	250-12-060	PREP-XR	97-20-091
246-922-320	REP-P	98-01-166	246-976-770	AMD-P	97-24-102	250-12-070	PREP-XR	97-20-091
246-922-990	AMD-P	98-01-166	246-976-780	AMD-P	97-24-102	250-16-001	PREP-XR	97-20-090
246-922-995	NEW-P	98-01-166	246-976-790	AMD-P	97-24-102	250-16-010	PREP-XR	97-20-090
246-924-110	AMD-P	98-01-166	246-976-810	AMD-P	97-24-102	250-16-020	PREP-XR	97-20-090
246-924-120	REP-P	98-01-166	246-976-820	AMD-P	97-24-102	250-16-030	PREP-XR	97-20-090
246-924-230	AMD-P	98-01-166	246-976-822	NEW-P	97-24-102	250-16-040	PREP-XR	97-20-090
246-924-290	REP-P	98-01-166	246-976-830	AMD-P	97-24-102	250-16-050	PREP-XR	97-20-090
246-924-320	REP-P	98-01-166	246-976-840	AMD-P	97-24-102	250-16-060	PREP-XR	97-20-090
246-924-490	REP-P	98-01-166	246-976-850	AMD-P	97-24-102	250-18-020	AMD-XA	98-01-101
246-924-500	AMD-P	98-01-166	246-976-860	AMD-P	97-24-102	250-18-060	AMD-XA	98-01-101
246-924-990	AMD-P	98-01-166	246-976-870	NEW-P	97-24-102	250-55-010	PREP-XR	97-20-092
246-926-160	REP-P	98-01-166	246-976-880	REP-P	97-24-102	250-55-020	PREP-XR	97-20-092
246-926-170	AMD-P	98-01-166	246-976-881	NEW-P	97-24-102	250-55-030	PREP-XR	97-20-092
246-926-200	AMD-P	98-01-166	246-976-885	AMD-P	97-24-102	250-55-040	PREP-XR	97-20-092
246-926-990	AMD-P	98-01-166	246-976-890	AMD-P	97-24-102	250-55-050	PREP-XR	97-20-092
246-926-995	NEW-P	98-01-166	246-976-935	NEW-P	98-01-164	250-55-060	PREP-XR	97-20-092
246-928-090	REP-P	98-01-166	249A-02-010	NEW-W	97-09-043	250-55-070	PREP-XR	97-20-092
246-928-190	AMD-P	98-01-166	249A-02-020	NEW-W	97-09-043	250-55-080	PREP-XR	97-20-092
246-928-990	AMD-P	98-01-166	249A-02-030	NEW-W	97-09-043	250-55-090	PREP-XR	97-20-092
246-930-020	AMD-P	98-01-166	249A-02-040	NEW-W	97-09-043	250-55-100	PREP-XR	97-20-092
246-930-400	REP-P	98-01-166	249A-02-050	NEW-W	97-09-043	250-55-110	PREP-XR	97-20-092
246-930-410	AMD-P	98-01-166	249A-02-060	NEW-W	97-09-043	250-55-120	PREP-XR	97-20-092
246-930-420	AMD-P	98-01-166	249A-02-080	NEW-W	97-09-043	250-55-130	PREP-XR	97-20-092
246-930-430	REP-P	98-01-166	249A-02-100	NEW-W	97-09-043	250-55-140	PREP-XR	97-20-092
246-930-431	NEW-P	98-01-166	249A-02-200	NEW-W	97-09-043	250-55-150	PREP-XR	97-20-092
246-930-990	AMD-P	98-01-166	249A-02-210	NEW-W	97-09-043	250-55-160	PREP-XR	97-20-092
246-930-995	NEW-P	98-01-166	249A-02-220	NEW-W	97-09-043	250-55-170	PREP-XR	97-20-092
246-933-170	PREP-X	97-14-056	249A-02-250	NEW-W	97-09-043	250-55-180	PREP-XR	97-20-092
246-933-170	REP	97-20-101	249A-02-300	NEW-W	97-09-043	250-55-190	PREP-XR	97-20-092

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
250-55-200	PREP-XR	97-20-092	260-24-090	REP-W	97-17-043	260-24-270	REP-P	97-21-092
250-55-210	PREP-XR	97-20-092	260-24-090	REP-P	97-21-092	260-24-270	REP	98-01-145
250-55-220	PREP-XR	97-20-092	260-24-090	REP	98-01-145	260-24-280	REP-P	97-04-060
250-61-150	PREP-XR	97-20-088	260-24-100	REP-P	97-04-060	260-24-280	REP-W	97-17-043
250-71-050	AMD-XA	97-22-068	260-24-100	REP-W	97-17-043	260-24-280	REP-P	97-21-092
251-01-045	AMD-P	97-08-090	260-24-100	REP-P	97-21-092	260-24-280	REP	98-01-145
251-01-045	AMD-W	97-10-088	260-24-100	REP	98-01-145	260-24-290	REP-P	97-04-060
251-01-110	AMD-P	97-08-090	260-24-110	REP-P	97-04-060	260-24-290	REP-W	97-17-043
251-01-110	AMD-W	97-10-088	260-24-110	REP-W	97-17-043	260-24-290	REP-P	97-21-092
251-04-040	AMD-P	97-08-090	260-24-110	REP-P	97-21-092	260-24-290	REP	98-01-145
251-04-040	AMD-W	97-10-088	260-24-110	REP	98-01-145	260-24-300	REP-P	97-04-060
251-04-050	AMD-P	97-08-090	260-24-120	REP-P	97-04-060	260-24-300	REP-W	97-17-043
251-04-050	AMD-W	97-10-088	260-24-120	REP-W	97-17-043	260-24-300	REP-P	97-21-092
251-04-170	NEW-P	97-24-037	260-24-120	REP-P	97-21-092	260-24-300	REP	98-01-145
251-04-170	NEW-C	98-01-141	260-24-120	REP	98-01-145	260-24-310	REP-P	97-04-060
251-10-030	AMD-P	97-08-090	260-24-130	REP-P	97-04-060	260-24-310	REP-W	97-17-043
251-10-030	AMD-W	97-10-088	260-24-130	REP-W	97-17-043	260-24-310	REP-P	97-21-092
251-10-030	AMD-P	97-20-063	260-24-130	REP-P	97-21-092	260-24-310	REP	98-01-145
251-10-030	AMD-C	97-22-059	260-24-130	REP	98-01-145	260-24-320	REP-P	97-04-060
251-10-030	AMD-C	97-24-039	260-24-140	REP-P	97-04-060	260-24-320	REP-W	97-17-043
251-12-270	REP-P	97-08-090	260-24-140	REP-W	97-17-043	260-24-320	REP-P	97-21-092
251-12-270	REP-W	97-10-088	260-24-140	REP-P	97-21-092	260-24-320	REP	98-01-145
251-12-270	REP-P	97-10-089	260-24-140	REP	98-01-145	260-24-330	REP-P	97-04-060
251-12-270	REP	97-13-045	260-24-150	REP-P	97-04-060	260-24-330	REP-W	97-17-043
251-12-600	AMD-P	97-08-090	260-24-150	REP-W	97-17-043	260-24-330	REP-P	97-21-092
251-12-600	AMD-W	97-10-088	260-24-150	REP-P	97-21-092	260-24-330	REP	98-01-145
251-12-600	AMD-P	97-10-089	260-24-150	REP	98-01-145	260-24-340	REP-P	97-04-060
251-12-600	AMD	97-13-045	260-24-160	REP-P	97-04-060	260-24-340	REP-W	97-17-043
251-14-060	AMD	97-06-012	260-24-160	REP-W	97-17-043	260-24-340	REP-P	97-21-092
251-14-120	AMD	97-06-012	260-24-160	REP-P	97-21-092	260-24-340	REP	98-01-145
251-19-100	AMD-P	97-22-061	260-24-160	REP	98-01-145	260-24-350	REP-P	97-04-060
251-19-100	AMD-C	97-24-041	260-24-170	REP-P	97-04-060	260-24-350	REP-W	97-17-043
251-19-100	AMD-C	98-01-140	260-24-170	REP-W	97-17-043	260-24-350	REP-P	97-21-092
251-19-105	AMD-P	97-22-060	260-24-170	REP-P	97-21-092	260-24-350	REP	98-01-145
251-19-105	AMD-C	97-24-040	260-24-170	REP	98-01-145	260-24-360	REP-P	97-04-060
251-19-105	AMD-C	98-01-142	260-24-180	REP-P	97-04-060	260-24-360	REP-W	97-17-043
251-20-020	AMD-P	97-08-090	260-24-180	REP-W	97-17-043	260-24-360	REP-P	97-21-092
251-20-020	AMD-W	97-10-088	260-24-180	REP-P	97-21-092	260-24-360	REP	98-01-145
251-20-020	AMD-P	97-10-089	260-24-180	REP	98-01-145	260-24-370	REP-P	97-04-060
251-20-020	AMD	97-13-045	260-24-190	REP-P	97-04-060	260-24-370	REP-W	97-17-043
260-20	PREP	97-24-008	260-24-190	REP-W	97-17-043	260-24-370	REP-P	97-21-092
260-24-010	REP-P	97-04-060	260-24-190	REP-P	97-21-092	260-24-370	REP	98-01-145
260-24-010	REP-W	97-17-043	260-24-190	REP	98-01-145	260-24-380	REP-P	97-04-060
260-24-010	REP-P	97-21-092	260-24-200	REP-P	97-04-060	260-24-380	REP-W	97-17-043
260-24-010	REP	98-01-145	260-24-200	REP-W	97-17-043	260-24-380	REP-P	97-21-092
260-24-020	REP-P	97-04-060	260-24-200	REP-P	97-21-092	260-24-380	REP	98-01-145
260-24-020	REP-W	97-17-043	260-24-200	REP	98-01-145	260-24-390	REP-P	97-04-060
260-24-020	REP-P	97-21-092	260-24-210	REP-P	97-04-060	260-24-390	REP-W	97-17-043
260-24-020	REP	98-01-145	260-24-210	REP-W	97-17-043	260-24-390	REP-P	97-21-092
260-24-030	REP-P	97-04-060	260-24-210	REP-P	97-21-092	260-24-390	REP	98-01-145
260-24-030	REP-W	97-17-043	260-24-210	REP	98-01-145	260-24-400	REP-P	97-04-060
260-24-030	REP-P	97-21-092	260-24-220	REP-P	97-04-060	260-24-400	REP-W	97-17-043
260-24-040	REP-P	97-04-060	260-24-220	REP-W	97-17-043	260-24-400	REP-P	97-21-092
260-24-040	REP-W	97-17-043	260-24-220	REP-P	97-21-092	260-24-400	REP	98-01-145
260-24-040	REP-P	97-21-092	260-24-220	REP	98-01-145	260-24-410	REP-P	97-04-060
260-24-040	REP	98-01-145	260-24-230	REP-P	97-04-060	260-24-410	REP-W	97-17-043
260-24-050	REP-P	97-04-060	260-24-230	REP-W	97-17-043	260-24-410	REP-P	97-21-092
260-24-050	REP-W	97-17-043	260-24-230	REP-P	97-21-092	260-24-410	REP	98-01-145
260-24-050	REP-P	97-21-092	260-24-230	REP	98-01-145	260-24-420	REP-P	97-04-060
260-24-050	REP	98-01-145	260-24-240	REP-P	97-04-060	260-24-420	REP-W	97-17-043
260-24-060	REP-P	97-04-060	260-24-240	REP-W	97-17-043	260-24-420	REP-P	97-21-092
260-24-060	REP-W	97-17-043	260-24-240	REP-P	97-21-092	260-24-420	REP	98-01-145
260-24-060	REP-P	97-21-092	260-24-240	REP	98-01-145	260-24-430	REP-P	97-04-060
260-24-060	REP	98-01-145	260-24-250	REP-P	97-04-060	260-24-430	REP-W	97-17-043
260-24-070	REP-P	97-04-060	260-24-250	REP-W	97-17-043	260-24-430	REP-P	97-21-092
260-24-070	REP-W	97-17-043	260-24-250	REP-P	97-21-092	260-24-430	REP	98-01-145
260-24-070	REP-P	97-21-092	260-24-250	REP	98-01-145	260-24-440	REP-P	97-04-060
260-24-070	REP	98-01-145	260-24-260	REP-P	97-04-060	260-24-440	REP-W	97-17-043
260-24-080	REP-P	97-04-060	260-24-260	REP-W	97-17-043	260-24-440	REP-P	97-21-092
260-24-080	REP-W	97-17-043	260-24-260	REP-P	97-21-092	260-24-440	REP	98-01-145
260-24-080	REP-P	97-21-092	260-24-260	REP	98-01-145	260-24-450	REP-P	97-04-060
260-24-080	REP	98-01-145	260-24-270	REP-P	97-04-060	260-24-450	REP-W	97-17-043
260-24-090	REP-P	97-04-060	260-24-270	REP-W	97-17-043	260-24-450	REP-P	97-21-092

TABLE

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
260-24-450	REP	98-01-145	260-24-640	NEW-P	97-04-060	262-03-080	NEW	97-16-019
260-24-460	REP-P	97-04-060	260-24-640	NEW-W	97-17-043	262-03-090	NEW-P	97-11-063
260-24-460	REP-W	97-17-043	260-24-640	NEW-P	97-21-092	262-03-090	NEW	97-16-019
260-24-460	REP-P	97-21-092	260-24-640	NEW	98-01-145	262-04	PREP	97-14-025
260-24-460	REP	98-01-145	260-24-650	NEW-P	97-04-060	275-27-023	AMD-E	97-03-033
260-24-465	REP-P	97-04-060	260-24-650	NEW-W	97-17-043	275-27-023	AMD-P	97-08-007
260-24-465	REP-W	97-17-043	260-24-650	NEW-P	97-21-092	275-27-023	AMD-E	97-11-009
260-24-465	REP-P	97-21-092	260-24-650	NEW	98-01-145	275-27-023	AMD	97-13-051
260-24-465	REP	98-01-145	260-24-660	NEW-P	97-04-060	275-27-220	AMD-E	97-03-033
260-24-470	REP-P	97-04-060	260-24-660	NEW-W	97-17-043	275-27-220	AMD-P	97-08-007
260-24-470	REP-W	97-17-043	260-24-660	NEW-P	97-21-092	275-27-220	AMD-E	97-11-009
260-24-470	REP-P	97-21-092	260-24-660	NEW	98-01-145	275-27-220	AMD	97-13-051
260-24-470	REP	98-01-145	260-24-670	NEW-P	97-04-060	275-27-221	REP-E	97-03-033
260-24-480	REP-P	97-04-060	260-24-670	NEW-W	97-17-043	275-27-221	REP-P	97-08-007
260-24-480	REP-W	97-17-043	260-24-670	NEW-P	97-21-092	275-27-221	REP-E	97-11-009
260-24-480	REP-P	97-21-092	260-24-670	NEW	98-01-145	275-27-221	REP	97-13-051
260-24-480	REP	98-01-145	260-24-680	NEW-P	97-04-060	275-27-222	NEW-P	97-08-007
260-24-500	NEW-P	97-04-060	260-24-680	NEW-W	97-17-043	275-27-222	NEW-E	97-11-009
260-24-500	NEW-W	97-17-043	260-24-680	NEW-P	97-21-092	275-27-222	NEW	97-13-051
260-24-500	NEW-P	97-21-092	260-24-680	NEW	98-01-145	275-27-223	AMD-E	97-03-033
260-24-500	NEW	98-01-145	260-24-690	NEW-P	97-04-060	275-27-223	AMD-P	97-08-007
260-24-510	NEW-P	97-04-060	260-24-690	NEW-W	97-17-043	275-27-223	AMD-E	97-11-009
260-24-510	NEW-W	97-17-043	260-24-690	NEW-P	97-21-092	275-27-223	AMD	97-13-051
260-24-510	NEW-P	97-21-092	260-24-690	NEW	98-01-145	275-27-400	AMD-E	97-03-033
260-24-510	NEW	98-01-145	260-24-700	NEW-P	97-04-060	275-27-400	AMD-P	97-08-007
260-24-520	NEW-P	97-04-060	260-24-700	NEW-W	97-17-043	275-27-400	AMD-E	97-11-009
260-24-520	NEW-W	97-17-043	260-24-700	NEW-P	97-21-092	275-27-400	AMD	97-13-051
260-24-520	NEW-P	97-21-092	260-24-700	NEW	98-01-145	275-30	PREP	97-19-103
260-24-520	NEW	98-01-145	260-28	PREP	97-24-009	275-30-020	REP-P	97-19-102
260-24-530	NEW-P	97-04-060	260-32	PREP	97-04-059	275-30-020	REP	98-01-125
260-24-530	NEW-W	97-17-043	260-32-180	AMD-P	98-01-147	275-33-010	REP-P	97-19-102
260-24-530	NEW-P	97-21-092	260-32-360	REP-P	98-01-147	275-33-010	REP	98-01-125
260-24-530	NEW	98-01-145	260-32-370	NEW-P	97-21-093	275-46-005	REP-P	97-19-102
260-24-540	NEW-P	97-04-060	260-32-370	NEW	98-01-146	275-46-005	REP	98-01-125
260-24-540	NEW-W	97-17-043	260-36	PREP	97-24-010	275-48-010	PREP	97-15-131
260-24-540	NEW-P	97-21-092	260-48	PREP	97-04-058	275-48-010	REP-P	97-19-102
260-24-540	NEW	98-01-145	260-48-890	AMD-P	97-21-094	275-48-010	REP	98-01-125
260-24-550	NEW-P	97-04-060	260-48-890	AMD	98-01-148	275-48-015	PREP	97-15-131
260-24-550	NEW-W	97-17-043	260-52	PREP	97-24-011	275-48-015	REP-P	97-19-102
260-24-550	NEW-P	97-21-092	260-56	PREP	97-24-012	275-48-015	REP	98-01-125
260-24-550	NEW	98-01-145	262-01-030	PREP	97-06-112	275-48-020	PREP	97-15-131
260-24-560	NEW-P	97-04-060	262-01-030	AMD-P	97-09-091	275-48-020	REP-P	97-19-102
260-24-560	NEW-W	97-17-043	262-01-030	AMD-W	97-10-060	275-48-020	REP	98-01-125
260-24-560	NEW-P	97-21-092	262-01-030	AMD-P	97-11-065	275-48-025	PREP	97-15-131
260-24-560	NEW	98-01-145	262-01-030	AMD	97-16-021	275-48-025	REP-P	97-19-102
260-24-570	NEW-P	97-04-060	262-01-130	NEW-P	97-17-078	275-48-025	REP	98-01-125
260-24-570	NEW-W	97-17-043	262-01-130	NEW	97-20-086	275-48-030	PREP	97-15-131
260-24-570	NEW-P	97-21-092	262-02-020	PREP	97-06-112	275-48-030	REP-P	97-19-102
260-24-570	NEW	98-01-145	262-02-020	AMD-P	97-09-090	275-48-030	REP	98-01-125
260-24-580	NEW-P	97-04-060	262-02-020	AMD-W	97-10-060	275-48-035	PREP	97-15-131
260-24-580	NEW-W	97-17-043	262-02-020	AMD-P	97-11-064	275-48-035	REP-P	97-19-102
260-24-580	NEW-P	97-21-092	262-02-020	AMD	97-16-020	275-48-035	REP	98-01-125
260-24-580	NEW	98-01-145	262-02-030	PREP	97-06-112	275-48-040	PREP	97-15-131
260-24-590	NEW-P	97-04-060	262-02-030	AMD-P	97-09-090	275-48-040	REP-P	97-19-102
260-24-590	NEW-W	97-17-043	262-02-030	AMD-W	97-10-060	275-48-040	REP	98-01-125
260-24-590	NEW-P	97-21-092	262-02-030	AMD-P	97-11-064	275-48-045	PREP	97-15-131
260-24-590	NEW	98-01-145	262-02-030	AMD	97-16-020	275-48-045	REP-P	97-19-102
260-24-600	NEW-P	97-04-060	262-03	PREP	97-07-068	275-48-045	REP	98-01-125
260-24-600	NEW-W	97-17-043	262-03-010	NEW-P	97-11-063	275-48-050	PREP	97-15-131
260-24-600	NEW-P	97-21-092	262-03-010	NEW	97-16-019	275-48-050	REP-P	97-19-102
260-24-600	NEW	98-01-145	262-03-020	NEW-P	97-11-063	275-48-050	REP	98-01-125
260-24-610	NEW-P	97-04-060	262-03-020	NEW	97-16-019	275-60-010	PREP-X	97-14-071
260-24-610	NEW-W	97-17-043	262-03-030	NEW-P	97-11-063	275-60-010	REP	97-18-052
260-24-610	NEW-P	97-21-092	262-03-030	NEW	97-16-019	275-60-020	PREP-X	97-14-071
260-24-610	NEW	98-01-145	262-03-040	NEW-P	97-11-063	275-60-020	REP	97-18-052
260-24-620	NEW-P	97-04-060	262-03-040	NEW	97-16-019	275-60-030	PREP-X	97-14-071
260-24-620	NEW-W	97-17-043	262-03-050	NEW-P	97-11-063	275-60-030	REP	97-18-052
260-24-620	NEW-P	97-21-092	262-03-050	NEW	97-16-019	275-60-040	PREP-X	97-14-071
260-24-620	NEW	98-01-145	262-03-060	NEW-P	97-11-063	275-60-040	REP	97-18-052
260-24-630	NEW-P	97-04-060	262-03-060	NEW	97-16-019	275-60-050	PREP-X	97-14-071
260-24-630	NEW-W	97-17-043	262-03-070	NEW-P	97-11-063	275-60-050	REP	97-18-052
260-24-630	NEW-P	97-21-092	262-03-070	NEW	97-16-019	275-60-060	PREP-X	97-14-071
260-24-630	NEW	98-01-145	262-03-080	NEW-P	97-11-063	275-60-060	REP	97-18-052

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
275-60-070	PREP-X	97-14-071	275-80-840	REP	98-01-125	275-110-040	PREP	97-15-131
275-60-070	REP	97-18-052	275-80-842	PREP	97-15-131	275-110-050	PREP	97-15-131
275-60-200	PREP-X	97-14-071	275-80-842	REP-P	97-19-102	275-110-060	PREP	97-15-131
275-60-200	REP	97-18-052	275-80-842	REP	98-01-125	275-110-070	PREP	97-15-131
275-60-300	PREP-X	97-14-071	275-80-844	PREP	97-15-131	275-110-080	PREP	97-15-131
275-60-300	REP	97-18-052	275-80-844	REP-P	97-19-102	275-110-090	PREP	97-15-131
275-60-400	PREP-X	97-14-071	275-80-844	REP	98-01-125	275-110-100	PREP	97-15-131
275-60-400	REP	97-18-052	275-80-846	PREP	97-15-131	275-110-110	PREP	97-15-131
275-60-500	PREP-X	97-14-071	275-80-846	REP-P	97-19-102	275-110-120	PREP	97-15-131
275-60-500	REP	97-18-052	275-80-846	REP	98-01-125	275-150-010	PREP	97-15-131
275-60-510	PREP-X	97-14-071	275-80-848	PREP	97-15-131	275-150-010	REP-P	97-19-102
275-60-510	REP	97-18-052	275-80-848	REP-P	97-19-102	275-150-010	REP	98-01-125
275-60-520	PREP-X	97-14-071	275-80-848	REP	98-01-125	275-150-020	PREP	97-15-131
275-60-520	REP	97-18-052	275-80-852	PREP	97-15-131	275-150-020	REP-P	97-19-102
275-76-005	PREP	97-15-131	275-80-852	REP-P	97-19-102	275-150-020	REP	98-01-125
275-76-005	REP-P	97-19-102	275-80-852	REP	98-01-125	275-150-030	PREP	97-15-131
275-76-005	REP	98-01-125	275-80-854	PREP	97-15-131	275-150-030	REP-P	97-19-102
275-76-010	PREP	97-15-131	275-80-854	REP-P	97-19-102	275-150-030	REP	98-01-125
275-76-010	REP-P	97-19-102	275-80-854	REP	98-01-125	275-150-040	PREP	97-15-131
275-76-010	REP	98-01-125	275-80-860	PREP	97-15-131	275-150-040	REP-P	97-19-102
275-76-020	PREP	97-15-131	275-80-860	REP-P	97-19-102	275-150-040	REP	98-01-125
275-76-020	REP-P	97-19-102	275-80-860	REP	98-01-125	275-150-050	PREP	97-15-131
275-76-020	REP	98-01-125	275-80-870	PREP	97-15-131	275-150-050	REP-P	97-19-102
275-76-030	PREP	97-15-131	275-80-870	REP-P	97-19-102	275-150-050	REP	98-01-125
275-76-030	REP-P	97-19-102	275-80-870	REP	98-01-125	275-150-060	PREP	97-15-131
275-76-030	REP	98-01-125	275-80-872	PREP	97-15-131	275-150-060	REP-P	97-19-102
275-76-040	PREP	97-15-131	275-80-872	REP-P	97-19-102	275-150-060	REP	98-01-125
275-76-040	REP-P	97-19-102	275-80-872	REP	98-01-125	275-150-070	PREP	97-15-131
275-76-040	REP	98-01-125	275-80-876	PREP	97-15-131	275-150-070	REP-P	97-19-102
275-76-050	PREP	97-15-131	275-80-876	REP-P	97-19-102	275-150-070	REP	98-01-125
275-76-050	REP-P	97-19-102	275-80-876	REP	98-01-125	275-150-080	PREP	97-15-131
275-76-050	REP	98-01-125	275-80-878	PREP	97-15-131	275-150-080	REP-P	97-19-102
275-76-060	PREP	97-15-131	275-80-878	REP-P	97-19-102	275-150-080	REP	98-01-125
275-76-060	REP-P	97-19-102	275-80-878	REP	98-01-125	275-150-090	PREP	97-15-131
275-76-060	REP	98-01-125	275-80-890	PREP	97-15-131	275-150-090	REP-P	97-19-102
275-76-070	PREP	97-15-131	275-80-890	REP-P	97-19-102	275-150-090	REP	98-01-125
275-76-070	REP-P	97-19-102	275-80-890	REP	98-01-125	275-155	AMD-P	97-11-044
275-76-070	REP	98-01-125	275-80-895	PREP	97-15-131	275-155	AMD	97-24-054
275-76-080	PREP	97-15-131	275-80-895	REP-P	97-19-102	275-155-005	AMD-P	97-11-044
275-76-080	REP-P	97-19-102	275-80-895	REP	98-01-125	275-155-005	AMD	97-24-054
275-76-080	REP	98-01-125	275-80-900	PREP	97-15-131	275-155-010	AMD-P	97-11-044
275-76-090	PREP	97-15-131	275-80-900	REP-P	97-19-102	275-155-010	AMD	97-24-054
275-76-090	REP-P	97-19-102	275-80-900	REP	98-01-125	275-155-070	NEW-P	97-11-044
275-76-090	REP	98-01-125	275-80-905	PREP	97-15-131	275-155-070	NEW	97-24-054
275-76-100	PREP	97-15-131	275-80-905	REP-P	97-19-102	275-155-080	NEW-P	97-11-044
275-76-100	REP-P	97-19-102	275-80-905	REP	98-01-125	275-155-080	NEW	97-24-054
275-76-100	REP	98-01-125	275-80-910	PREP	97-15-131	275-155-090	NEW-P	97-11-044
275-76-110	PREP	97-15-131	275-80-910	REP-P	97-19-102	275-155-090	NEW	97-24-054
275-76-110	REP-P	97-19-102	275-80-910	REP	98-01-125	275-155-100	NEW-P	97-11-044
275-76-110	REP	98-01-125	275-80-915	PREP	97-15-131	275-155-100	NEW	97-24-054
275-76-120	PREP	97-15-131	275-80-915	REP-P	97-19-102	275-155-110	NEW-P	97-11-044
275-76-120	REP-P	97-19-102	275-80-915	REP	98-01-125	275-155-110	NEW	97-24-054
275-76-120	REP	98-01-125	275-80-920	PREP	97-15-131	275-155-120	NEW-P	97-11-044
275-76-130	PREP	97-15-131	275-80-920	REP-P	97-19-102	275-155-120	NEW	97-24-054
275-76-130	REP-P	97-19-102	275-80-920	REP	98-01-125	275-155-130	NEW-P	97-11-044
275-76-130	REP	98-01-125	275-80-925	PREP	97-15-131	275-155-130	NEW	97-24-054
275-76-140	PREP	97-15-131	275-80-925	REP-P	97-19-102	275-155-140	NEW-P	97-11-044
275-76-140	REP-P	97-19-102	275-80-925	REP	98-01-125	275-155-140	NEW	97-24-054
275-76-140	REP	98-01-125	275-80-930	PREP	97-15-131	284-01-050	NEW-P	98-01-118
275-76-150	PREP	97-15-131	275-80-930	REP-P	97-19-102	284-04	NEW-C	97-03-023
275-76-150	REP-P	97-19-102	275-80-930	REP	98-01-125	284-04	NEW-C	97-03-120
275-76-150	REP	98-01-125	275-80-935	PREP	97-15-131	284-04	NEW-C	97-08-091
275-80-805	PREP	97-15-131	275-80-935	REP-P	97-19-102	284-04	NEW-W	97-10-072
275-80-805	REP-P	97-19-102	275-80-935	REP	98-01-125	284-10	REP-C	98-02-012
275-80-805	REP	98-01-125	275-80-940	PREP	97-15-131	284-10-010	REP-P	97-21-155
275-80-810	PREP	97-15-131	275-80-940	REP-P	97-19-102	284-10-015	REP-P	97-21-155
275-80-810	REP-P	97-19-102	275-80-940	REP	98-01-125	284-10-020	REP-P	97-21-155
275-80-810	REP	98-01-125	275-80-995	PREP	97-15-131	284-10-030	REP-P	97-21-155
275-80-815	PREP	97-15-131	275-80-995	REP-P	97-19-102	284-10-050	REP-P	97-21-155
275-80-815	REP-P	97-19-102	275-80-995	REP	98-01-125	284-10-060	REP-P	97-21-155
275-80-815	REP	98-01-125	275-110-010	PREP	97-15-131	284-10-070	REP-P	97-21-155
275-80-840	PREP	97-15-131	275-110-020	PREP	97-15-131	284-10-090	REP-P	97-21-155
275-80-840	REP-P	97-19-102	275-110-030	PREP	97-15-131	284-10-140	REP-P	97-21-155

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
284-13-505	NEW	97-05-012	284-43-610	NEW-P	97-21-155	284-51-050	PREP	97-04-074
284-13-515	NEW	97-05-012	284-43-620	NEW-W	97-08-044	284-53-010	PREP	98-01-117
284-13-520	AMD	97-05-012	284-43-620	NEW-P	97-21-155	284-54-750	NEW-P	97-15-150
284-13-530	NEW	97-05-012	284-43-630	NEW-W	97-08-044	284-54-750	NEW	97-19-007
284-13-535	NEW	97-05-012	284-43-630	NEW-P	97-21-155	284-74-010	PREP	97-20-141
284-13-540	AMD	97-05-012	284-43-640	NEW-W	97-08-044	284-74-010	AMD-P	98-01-121
284-13-550	AMD	97-05-012	284-43-640	NEW-P	97-21-155	284-74-020	NEW-P	98-01-121
284-13-560	AMD	97-05-012	284-43-650	NEW-W	97-08-044	284-85-085	AMD-P	97-15-150
284-13-570	AMD	97-05-012	284-43-650	NEW-P	97-21-155	284-85-085	AMD	97-19-007
284-13-590	AMD	97-05-012	284-43-700	NEW-C	97-05-006	286-04-010	PREP	97-24-118
284-13-595	NEW	97-05-012	284-43-700	NEW-C	97-08-046	286-04-060	PREP	97-24-118
284-17-135	REP-XA	98-01-135	284-43-700	NEW-W	97-11-001	286-06-065	PREP	97-24-118
284-17-220	AMD-P	97-15-150	284-43-700	NEW-P	97-21-155	286-13-030	PREP	97-24-118
284-17-220	AMD	97-19-007	284-43-710	NEW-P	97-21-155	286-13-040	PREP	97-08-079
284-23	PREP	97-20-140	284-43-720	NEW-P	97-21-155	286-13-040	AMD-P	97-12-027
284-23	AMD-C	98-01-134	284-43-730	NEW-P	97-21-155	286-13-040	AMD	97-17-004
284-23-610	AMD-P	97-22-108	284-43-800	NEW-P	97-21-155	286-13-040	PREP	97-24-118
284-23-620	AMD-P	97-22-108	284-43-900	NEW-P	97-20-139	286-13-045	AMD-P	97-04-006
284-23-640	AMD-P	97-22-108	284-43-900	NEW-C	97-21-151	286-13-045	AMD	97-08-003
284-23-645	NEW-P	97-22-108	284-43-905	NEW-P	97-20-139	286-13-045	PREP	97-24-118
284-23-650	AMD-P	97-22-108	284-43-905	NEW-C	97-21-151	286-13-070	PREP	97-24-118
284-23-660	AMD-P	97-22-108	284-43-910	NEW-P	97-20-139	286-13-085	AMD-P	97-04-006
284-23-690	AMD-P	97-22-108	284-43-910	NEW-C	97-21-151	286-13-085	AMD	97-08-003
284-23-710	AMD-P	97-22-108	284-43-915	NEW-P	97-20-139	286-13-085	PREP	97-24-118
284-23-730	AMD-P	97-22-108	284-43-915	NEW-C	97-21-151	286-13-100	PREP	97-24-118
284-30-395	NEW-S	97-03-090	284-43-920	NEW-P	97-20-139	286-13-110	AMD-P	97-04-006
284-30-395	NEW-C	97-08-045	284-43-920	NEW-C	97-21-151	286-13-110	AMD	97-08-003
284-30-395	NEW-C	97-11-010	284-43-925	NEW-P	97-20-139	286-13-110	PREP	97-08-079
284-30-395	NEW	97-13-005	284-43-925	NEW-C	97-21-151	286-13-110	AMD-P	97-12-027
284-43	AMD-P	97-21-155	284-43-930	NEW-P	97-20-139	286-13-110	AMD	97-17-004
284-43	AMD-C	98-01-120	284-43-930	NEW-C	97-21-151	286-13-115	PREP	97-08-079
284-43	AMD-C	98-02-012	284-43-935	NEW-P	97-20-139	286-13-115	AMD-P	97-12-027
284-43-040	REP-P	97-21-155	284-43-935	NEW-C	97-21-151	286-13-115	AMD	97-17-004
284-43-100	REP-P	97-21-155	284-43-940	NEW-P	97-20-139	286-26-060	PREP	97-24-118
284-43-110	NEW-W	97-08-044	284-43-940	NEW-C	97-21-151	286-26-080	AMD-P	97-04-006
284-43-110	NEW-P	97-21-155	284-43-945	NEW-P	97-20-139	286-26-080	AMD	97-08-003
284-43-120	NEW-W	97-08-044	284-43-945	NEW-C	97-21-151	286-26-110	PREP	97-24-118
284-43-120	NEW-P	97-21-155	284-43-950	NEW-P	97-20-139	286-27-040	AMD-P	97-04-006
284-43-130	NEW-W	97-08-044	284-43-950	NEW-C	97-21-151	286-27-040	AMD	97-08-003
284-43-130	NEW-P	97-21-155	284-43-955	NEW-P	97-20-139	286-27-040	PREP	97-24-118
284-43-200	NEW-W	97-08-044	284-43-955	NEW-C	97-21-151	286-27-050	REP-P	97-04-006
284-43-200	NEW-P	97-21-155	284-44	REP-C	98-01-121	286-27-050	REP	97-08-003
284-43-210	NEW-W	97-08-044	284-44	REP-C	98-02-012	286-27-055	PREP	97-24-118
284-43-210	NEW-P	97-21-155	284-44-100	REP-P	97-20-139	286-27-065	PREP	97-24-118
284-43-220	NEW-P	97-21-155	284-44-100	REP-C	97-21-151	286-30	PREP	97-24-118
284-43-250	NEW-P	97-21-155	284-44-110	REP-P	97-20-139	286-35-030	AMD-P	97-04-006
284-43-300	NEW-W	97-08-044	284-44-110	REP-C	97-21-151	286-35-030	AMD	97-08-003
284-43-300	NEW-P	97-21-155	284-44-120	REP-P	97-20-139	286-35-040	REP-P	97-04-006
284-43-310	NEW-W	97-08-044	284-44-120	REP-C	97-21-151	286-35-040	REP	97-08-003
284-43-310	NEW-P	97-21-155	284-44-130	REP-P	97-20-139	286-40-020	AMD-P	97-04-006
284-43-320	NEW-W	97-08-044	284-44-130	REP-C	97-21-151	286-40-020	AMD	97-08-003
284-43-320	NEW-P	97-21-155	284-44-140	REP-P	97-20-139	286-40-050	PREP	97-24-118
284-43-330	NEW-W	97-08-044	284-44-140	REP-C	97-21-151	287-04-029	NEW-XA	97-20-060
284-43-330	NEW-P	97-21-155	284-44-150	REP-P	97-20-139	287-04-029	NEW	98-01-138
284-43-340	NEW-W	97-08-044	284-44-150	REP-C	97-21-151	287-04-031	AMD-XA	97-20-060
284-43-340	NEW-P	97-21-155	284-44-160	REP-P	97-20-139	287-04-031	AMD	98-01-138
284-43-350	NEW-W	97-08-044	284-44-160	REP-C	97-21-151	287-04-032	NEW-XA	97-20-060
284-43-360	NEW-W	97-08-044	284-44-190	REP-P	97-20-139	287-04-032	NEW	98-01-138
284-43-400	NEW-W	97-08-044	284-44-190	REP-C	97-21-151	287-04-033	NEW-XA	97-20-060
284-43-400	NEW-P	97-21-155	284-44-200	REP-P	97-20-139	287-04-033	NEW	98-01-138
284-43-410	NEW-W	97-08-044	284-44-200	REP-C	97-21-151	287-04-034	NEW-XA	97-20-060
284-43-410	NEW-P	97-21-155	284-44-210	REP-P	97-20-139	287-04-034	NEW	98-01-138
284-43-420	NEW-W	97-08-044	284-44-210	REP-C	97-21-151	287-04-038	NEW-XA	97-20-060
284-43-420	NEW-P	97-21-155	284-44-220	REP-P	97-20-139	287-04-038	NEW	98-01-138
284-43-500	NEW-W	97-08-044	284-44-220	REP-C	97-21-151	287-04-039	NEW-XA	97-20-060
284-43-510	NEW-W	97-08-044	284-44-240	REP-W	97-08-044	287-04-039	NEW	98-01-138
284-43-520	NEW-W	97-08-044	284-44-240	REP-P	97-21-155	292-09-010	AMD-P	97-05-022
284-43-530	NEW-W	97-08-044	284-44-410	REP-W	97-08-044	292-09-010	AMD	97-13-069
284-43-540	NEW-W	97-08-044	284-44-410	REP-P	97-21-155	292-11-010	NEW-S	97-05-023
284-43-550	NEW-W	97-08-044	284-46	REP-C	98-02-012	292-11-010	NEW	97-13-075
284-43-560	NEW-W	97-08-044	284-46-020	REP-P	97-21-155	292-11-020	NEW-S	97-05-023
284-43-600	NEW-W	97-08-044	284-46-575	REP-W	97-08-044	292-11-020	NEW	97-13-075
284-43-610	NEW-W	97-08-044	284-46-575	REP-P	97-21-155	292-11-030	NEW-W	97-09-057

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
292-110-010	PREP	97-13-006	296-04A-200	NEW-P	97-23-088	296-10-410	PREP-X	97-13-034
292-110-010	AMD-P	97-21-076	296-04A-210	NEW-P	97-23-088	296-10-410	REP	97-17-064
292-110-050	NEW-P	97-20-098	296-04A-230	NEW-P	97-23-088	296-10-420	PREP-X	97-13-034
292-110-060	NEW-P	97-20-099	296-04A-300	NEW-P	97-23-088	296-10-420	REP	97-17-064
292-120-010	NEW-P	97-03-133	296-04A-30001	NEW-P	97-23-088	296-10-430	PREP-X	97-13-034
292-120-010	NEW	97-07-058	296-04A-330	NEW-P	97-23-088	296-10-430	REP	97-17-064
292-120-020	NEW-P	97-03-133	296-04A-340	NEW-P	97-23-088	296-10-440	PREP-X	97-13-034
292-120-020	NEW	97-07-058	296-04A-350	NEW-P	97-23-088	296-10-440	REP	97-17-064
292-120-030	NEW-P	97-03-133	296-04A-351	NEW-P	97-23-088	296-10-450	PREP-X	97-13-034
292-120-030	NEW	97-07-058	296-04A-360	NEW-P	97-23-088	296-10-450	REP	97-17-064
292-120-040	NEW-P	97-03-133	296-04A-370	NEW-P	97-23-088	296-10-460	PREP-X	97-13-034
292-120-040	NEW	97-07-058	296-04A-380	NEW-P	97-23-088	296-10-460	REP	97-17-064
296-04-001	REP-P	97-23-088	296-04A-390	NEW-P	97-23-088	296-10-470	PREP-X	97-13-034
296-04-005	REP-P	97-23-088	296-04A-400	NEW-P	97-23-088	296-10-470	REP	97-17-064
296-04-010	REP-P	97-23-088	296-04A-410	NEW-P	97-23-088	296-10-480	PREP-X	97-13-034
296-04-015	REP-P	97-23-088	296-04A-420	NEW-P	97-23-088	296-10-480	REP	97-17-064
296-04-040	REP-P	97-23-088	296-04A-430	NEW-P	97-23-088	296-10-490	PREP-X	97-13-034
296-04-042	REP-P	97-23-088	296-04A-440	NEW-P	97-23-088	296-10-490	REP	97-17-064
296-04-045	REP-P	97-23-088	296-04A-460	NEW-P	97-23-088	296-10-500	PREP-X	97-13-034
296-04-05001	REP-P	97-23-088	296-04A-470	NEW-P	97-23-088	296-10-500	REP	97-17-064
296-04-060	REP-P	97-23-088	296-04A-480	NEW-P	97-23-088	296-10-510	PREP-X	97-13-034
296-04-090	REP-P	97-23-088	296-10-010	PREP-X	97-13-034	296-10-510	REP	97-17-064
296-04-105	REP-P	97-23-088	296-10-010	REP	97-17-064	296-10-520	PREP-X	97-13-034
296-04-115	REP-P	97-23-088	296-10-020	PREP-X	97-13-034	296-10-520	REP	97-17-064
296-04-125	REP-P	97-23-088	296-10-020	REP	97-17-064	296-10-530	PREP-X	97-13-034
296-04-160	REP-P	97-23-088	296-10-030	PREP-X	97-13-034	296-10-530	REP	97-17-064
296-04-165	REP-P	97-23-088	296-10-030	REP	97-17-064	296-10-540	PREP-X	97-13-034
296-04-260	REP-P	97-23-088	296-10-040	PREP-X	97-13-034	296-10-540	REP	97-17-064
296-04-270	REP-P	97-23-088	296-10-040	REP	97-17-064	296-10-550	PREP-X	97-13-034
296-04-275	REP-P	97-23-088	296-10-050	PREP-X	97-13-034	296-10-550	REP	97-17-064
296-04-280	REP-P	97-23-088	296-10-050	REP	97-17-064	296-10-560	PREP-X	97-13-034
296-04-295	REP-P	97-23-088	296-10-060	PREP-X	97-13-034	296-10-560	REP	97-17-064
296-04-300	REP-P	97-23-088	296-10-060	REP	97-17-064	296-10-570	PREP-X	97-13-034
296-04-310	REP-P	97-23-088	296-10-070	PREP-X	97-13-034	296-10-570	REP	97-17-064
296-04-330	REP-P	97-23-088	296-10-070	REP	97-17-064	296-10-580	PREP-X	97-13-034
296-04-340	REP-P	97-23-088	296-10-080	PREP-X	97-13-034	296-10-580	REP	97-17-064
296-04-350	REP-P	97-23-088	296-10-080	REP	97-17-064	296-10-590	PREP-X	97-13-034
296-04-351	REP-P	97-23-088	296-10-090	PREP-X	97-13-034	296-10-590	REP	97-17-064
296-04-360	REP-P	97-23-088	296-10-090	REP	97-17-064	296-11-001	DECOD	97-08-042
296-04-370	REP-P	97-23-088	296-10-100	PREP-X	97-13-034	296-11-003	DECOD	97-08-042
296-04-380	REP-P	97-23-088	296-10-100	REP	97-17-064	296-11-010	DECOD	97-08-042
296-04-390	REP-P	97-23-088	296-10-110	PREP-X	97-13-034	296-11-020	DECOD	97-08-042
296-04-400	REP-P	97-23-088	296-10-110	REP	97-17-064	296-11-030	DECOD	97-08-042
296-04-410	REP-P	97-23-088	296-10-120	PREP-X	97-13-034	296-11-040	DECOD	97-08-042
296-04-420	REP-P	97-23-088	296-10-120	REP	97-17-064	296-11-050	DECOD	97-08-042
296-04-430	REP-P	97-23-088	296-10-130	PREP-X	97-13-034	296-11-060	DECOD	97-08-042
296-04-440	REP-P	97-23-088	296-10-130	REP	97-17-064	296-11-070	DECOD	97-08-042
296-04-460	REP-P	97-23-088	296-10-140	PREP-X	97-13-034	296-11-080	DECOD	97-08-042
296-04-470	REP-P	97-23-088	296-10-140	REP	97-17-064	296-11-090	DECOD	97-08-042
296-04-480	REP-P	97-23-088	296-10-150	PREP-X	97-13-034	296-11-100	DECOD	97-08-042
296-04A-001	NEW-P	97-23-088	296-10-150	REP	97-17-064	296-11-110	DECOD	97-08-042
296-04A-003	NEW-P	97-23-088	296-10-160	PREP-X	97-13-034	296-11-120	DECOD	97-08-042
296-04A-006	NEW-P	97-23-088	296-10-160	REP	97-17-064	296-11-130	DECOD	97-08-042
296-04A-009	NEW-P	97-23-088	296-10-170	PREP-X	97-13-034	296-11-140	DECOD	97-08-042
296-04A-012	NEW-P	97-23-088	296-10-170	REP	97-17-064	296-11-150	DECOD	97-08-042
296-04A-015	NEW-P	97-23-088	296-10-180	PREP-X	97-13-034	296-11-160	DECOD	97-08-042
296-04A-018	NEW-P	97-23-088	296-10-180	REP	97-17-064	296-11-170	DECOD	97-08-042
296-04A-025	NEW-P	97-23-088	296-10-190	PREP-X	97-13-034	296-11-180	DECOD	97-08-042
296-04A-028	NEW-P	97-23-088	296-10-190	REP	97-17-064	296-11-190	DECOD	97-08-042
296-04A-034	NEW-P	97-23-088	296-10-200	PREP-X	97-13-034	296-11-200	DECOD	97-08-042
296-04A-037	NEW-P	97-23-088	296-10-200	REP	97-17-064	296-11-210	DECOD	97-08-042
296-04A-040	NEW-P	97-23-088	296-10-210	PREP-X	97-13-034	296-11-220	DECOD	97-08-042
296-04A-043	NEW-P	97-23-088	296-10-210	REP	97-17-064	296-11-230	DECOD	97-08-042
296-04A-046	NEW-P	97-23-088	296-10-220	PREP-X	97-13-034	296-11-240	DECOD	97-08-042
296-04A-049	NEW-P	97-23-088	296-10-220	REP	97-17-064	296-11-250	DECOD	97-08-042
296-04A-052	NEW-P	97-23-088	296-10-370	PREP-X	97-13-034	296-11-260	DECOD	97-08-042
296-04A-055	NEW-P	97-23-088	296-10-370	REP	97-17-064	296-11-270	DECOD	97-08-042
296-04A-060	NEW-P	97-23-088	296-10-380	PREP-X	97-13-034	296-11-280	DECOD	97-08-042
296-04A-100	NEW-P	97-23-088	296-10-380	REP	97-17-064	296-11-290	DECOD	97-08-042
296-04A-110	NEW-P	97-23-088	296-10-390	PREP-X	97-13-034	296-11-300	DECOD	97-08-042
296-04A-120	NEW-P	97-23-088	296-10-390	REP	97-17-064	296-11-310	DECOD	97-08-042
296-04A-130	NEW-P	97-23-088	296-10-400	PREP-X	97-13-034	296-11-320	DECOD	97-08-042
296-04A-150	NEW-P	97-23-088	296-10-400	REP	97-17-064	296-11-330	DECOD	97-08-042

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
296-11-340	DECOD	97-08-042	296-17-52124	NEW	97-12-011	296-23A-0130	NEW	97-06-066
296-11-350	DECOD	97-08-042	296-17-52125	NEW-E	97-08-043	296-23A-0140	NEW	97-06-066
296-11-360	DECOD	97-08-042	296-17-52125	NEW-P	97-08-051	296-23A-0150	NEW	97-06-066
296-11-370	DECOD	97-08-042	296-17-52125	NEW	97-12-011	296-23A-0160	NEW	97-06-066
296-11-380	DECOD	97-08-042	296-17-52126	NEW-E	97-08-043	296-23A-0170	NEW	97-06-066
296-11-390	DECOD	97-08-042	296-17-52126	NEW-P	97-08-051	296-23A-0180	NEW	97-06-066
296-11-400	DECOD	97-08-042	296-17-52126	NEW	97-12-011	296-23A-0190	NEW	97-06-066
296-11-410	DECOD	97-08-042	296-17-855	AMD-P	97-19-095	296-23A-0195	NEW	97-06-066
296-11-420	DECOD	97-08-042	296-17-855	AMD	97-24-062	296-23A-0200	NEW	97-06-066
296-11-430	DECOD	97-08-042	296-17-875	AMD-P	97-19-095	296-23A-0210	NEW	97-06-066
296-11-440	DECOD	97-08-042	296-17-875	AMD	97-24-062	296-23A-0220	NEW	97-06-066
296-11-450	DECOD	97-08-042	296-17-880	AMD-P	97-19-095	296-23A-0230	NEW	97-06-066
296-11-460	DECOD	97-08-042	296-17-880	AMD	97-24-062	296-23A-0240	NEW	97-06-066
296-11-470	DECOD	97-08-042	296-17-885	AMD-P	97-19-095	296-23A-0250	NEW	97-06-066
296-11-480	DECOD	97-08-042	296-17-885	AMD	97-24-062	296-23A-0300	NEW	97-06-066
296-11-490	DECOD	97-08-042	296-17-890	AMD-P	97-19-095	296-23A-0310	NEW	97-06-066
296-11-500	DECOD	97-08-042	296-17-890	AMD	97-24-062	296-23A-0350	NEW	97-06-066
296-11-510	DECOD	97-08-042	296-17-895	AMD-P	97-19-095	296-23A-0360	NEW	97-06-066
296-11-520	DECOD	97-08-042	296-17-895	AMD	97-24-062	296-23A-0400	NEW	97-06-066
296-11-530	DECOD	97-08-042	296-17-89502	NEW	97-06-007	296-23A-0410	NEW	97-06-066
296-11-540	DECOD	97-08-042	296-17-89502	AMD-E	97-08-043	296-23A-0420	NEW	97-06-066
296-11-550	DECOD	97-08-042	296-17-89502	AMD-P	97-08-051	296-23A-0430	NEW	97-06-066
296-11-560	DECOD	97-08-042	296-17-89502	AMD	97-12-011	296-23A-0440	NEW	97-06-066
296-11-570	DECOD	97-08-042	296-17-89502	AMD-P	97-19-095	296-23A-0450	NEW	97-06-066
296-11-580	DECOD	97-08-042	296-17-89502	AMD	97-24-062	296-23A-0460	NEW	97-06-066
296-11-590	DECOD	97-08-042	296-17-919	AMD-P	97-19-095	296-23A-0470	NEW	97-06-066
296-17	PREP	97-15-139	296-17-919	AMD	97-24-062	296-23A-0480	NEW	97-06-066
296-17	PREP	97-15-140	296-17-91901	AMD-P	97-19-095	296-23A-0490	NEW	97-06-066
296-17	PREP	97-15-141	296-17-91901	AMD	97-24-062	296-23A-0500	NEW	97-06-066
296-17	PREP	97-15-142	296-17-91902	AMD-P	97-19-095	296-23A-0520	NEW	97-06-066
296-17-45003	AMD	97-06-007	296-17-91902	AMD	97-24-062	296-23A-0530	NEW	97-06-066
296-17-45003	AMD-E	97-08-043	296-17-91903	AMD-P	97-19-095	296-23A-0540	NEW	97-06-066
296-17-45003	AMD-P	97-08-051	296-17-91903	AMD	97-24-062	296-23A-0550	NEW	97-06-066
296-17-45003	AMD	97-12-011	296-17-91904	AMD-P	97-19-095	296-23A-0560	NEW	97-06-066
296-17-45006	NEW	97-06-007	296-17-91904	AMD	97-24-062	296-23A-0570	NEW	97-06-066
296-17-45006	AMD-E	97-08-043	296-17-91905	AMD-P	97-19-095	296-23A-0575	NEW	97-06-066
296-17-45006	AMD-P	97-08-051	296-17-91905	AMD	97-24-062	296-23A-0580	NEW	97-06-066
296-17-45006	AMD	97-12-011	296-17-920	AMD-P	97-19-095	296-23A-0600	NEW	97-06-066
296-17-52107	REP	97-06-007	296-17-920	AMD	97-24-062	296-23A-0610	NEW	97-06-066
296-17-52112	REP	97-06-007	296-20	PREP	97-02-096	296-23A-0620	NEW	97-06-066
296-17-52114	NEW	97-06-007	296-20-125	PREP	97-02-097	296-23A-100	REP	97-06-066
296-17-52114	REP-E	97-08-043	296-20-135	PREP	97-02-097	296-23A-105	REP	97-06-066
296-17-52114	REP-P	97-08-051	296-20-135	AMD-P	97-05-076	296-23A-106	REP	97-06-066
296-17-52114	REP	97-12-011	296-20-135	AMD	97-10-017	296-23A-110	REP	97-06-066
296-17-52115	NEW	97-06-007	296-20-135	PREP	98-01-223	296-23A-115	REP	97-06-066
296-17-52115	REP-E	97-08-043	296-20-200	AMD	97-09-036	296-23A-120	REP	97-06-066
296-17-52115	REP-P	97-08-051	296-20-210	AMD	97-09-036	296-23A-125	REP	97-06-066
296-17-52115	REP	97-12-011	296-20-220	AMD	97-09-036	296-23A-130	REP	97-06-066
296-17-52116	NEW	97-06-007	296-23	PREP	97-02-096	296-23A-135	REP	97-06-066
296-17-52117	NEW	97-06-007	296-23-190	REP-P	97-19-090	296-23A-140	REP	97-06-066
296-17-52117	REP-E	97-08-043	296-23-190	REP	97-24-044	296-23A-145	REP	97-06-066
296-17-52117	REP-P	97-08-051	296-23-210	REP-P	97-19-090	296-23A-150	REP	97-06-066
296-17-52117	REP	97-12-011	296-23-210	REP	97-24-044	296-23A-155	REP	97-06-066
296-17-52118	NEW-E	97-08-043	296-23-220	PREP	97-02-097	296-23A-160	REP	97-06-066
296-17-52118	NEW-P	97-08-051	296-23-220	AMD-P	97-05-076	296-23A-165	REP	97-06-066
296-17-52118	NEW	97-12-011	296-23-220	AMD	97-10-017	296-23A-170	REP	97-06-066
296-17-52119	NEW-E	97-08-043	296-23-220	PREP	98-01-223	296-23A-175	REP	97-06-066
296-17-52119	NEW-P	97-08-051	296-23-230	PREP	97-02-097	296-23A-180	REP	97-06-066
296-17-52119	NEW	97-12-011	296-23-230	AMD-P	97-05-076	296-23A-185	REP	97-06-066
296-17-52120	NEW-E	97-08-043	296-23-230	AMD	97-10-017	296-23A-190	REP	97-06-066
296-17-52120	NEW-P	97-08-051	296-23-230	PREP	98-01-223	296-23A-200	REP	97-06-066
296-17-52120	NEW	97-12-011	296-23-265	AMD	97-09-036	296-23A-205	REP	97-06-066
296-17-52121	NEW-E	97-08-043	296-23-26501	NEW	97-09-036	296-23A-210	REP	97-06-066
296-17-52121	NEW-P	97-08-051	296-23-26502	NEW	97-09-036	296-23A-215	REP	97-06-066
296-17-52121	NEW	97-12-011	296-23-26503	NEW	97-09-036	296-23A-220	REP	97-06-066
296-17-52122	NEW-E	97-08-043	296-23-26504	NEW	97-09-036	296-23A-225	REP	97-06-066
296-17-52122	NEW-P	97-08-051	296-23-26505	NEW	97-09-036	296-23A-230	REP	97-06-066
296-17-52122	NEW	97-12-011	296-23-26506	NEW	97-09-036	296-23A-235	REP	97-06-066
296-17-52123	NEW-E	97-08-043	296-23-267	NEW	97-09-036	296-23A-300	REP	97-06-066
296-17-52123	NEW-P	97-08-051	296-23A	PREP	97-02-097	296-23A-310	REP	97-06-066
296-17-52123	NEW	97-12-011	296-23A-0100	NEW	97-06-066	296-23A-315	REP	97-06-066
296-17-52124	NEW-E	97-08-043	296-23A-0110	NEW	97-06-066	296-23A-320	REP	97-06-066
296-17-52124	NEW-P	97-08-051	296-23A-0120	NEW	97-06-066	296-23A-400	REP	97-06-066

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Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
296-23A-430	REP	97-06-066	296-44	PREP	97-16-119	296-44-170	REP-P	97-21-071
296-24	PREP	97-11-051	296-44-005	REP-P	97-21-071	296-44-17005	REP-P	97-21-071
296-24-07801	AMD-P	97-03-085	296-44-010	REP-P	97-21-071	296-44-17017	REP-P	97-21-071
296-24-07801	AMD	97-11-055	296-44-011	REP-P	97-21-071	296-44-17029	REP-P	97-21-071
296-24-084	AMD-P	97-03-085	296-44-013	REP-P	97-21-071	296-44-182	REP-P	97-21-071
296-24-084	AMD	97-11-055	296-44-015	REP-P	97-21-071	296-44-18205	REP-P	97-21-071
296-24-088	AMD-P	97-03-085	296-44-016	REP-P	97-21-071	296-44-18225	REP-P	97-21-071
296-24-088	AMD	97-11-055	296-44-017	REP-P	97-21-071	296-44-18239	REP-P	97-21-071
296-24-060	REP-P	97-17-079	296-44-023	REP-P	97-21-071	296-44-18250	REP-P	97-21-071
296-24-061	NEW-P	97-17-079	296-44-02301	REP-P	97-21-071	296-44-18261	REP-P	97-21-071
296-24-06105	NEW-P	97-17-079	296-44-02305	REP-P	97-21-071	296-44-18273	REP-P	97-21-071
296-24-06110	NEW-P	97-17-079	296-44-02309	REP-P	97-21-071	296-44-194	REP-P	97-21-071
296-24-06115	NEW-P	97-17-079	296-44-02315	REP-P	97-21-071	296-44-19405	REP-P	97-21-071
296-24-06120	NEW-P	97-17-079	296-44-02319	REP-P	97-21-071	296-44-19421	REP-P	97-21-071
296-24-06125	NEW-P	97-17-079	296-44-02323	REP-P	97-21-071	296-44-19433	REP-P	97-21-071
296-24-06130	NEW-P	97-17-079	296-44-02329	REP-P	97-21-071	296-44-212	REP-P	97-21-071
296-24-06135	NEW-P	97-17-079	296-44-02335	REP-P	97-21-071	296-44-21209	REP-P	97-21-071
296-24-06140	NEW-P	97-17-079	296-44-02349	REP-P	97-21-071	296-44-21221	REP-P	97-21-071
296-24-06145	NEW-P	97-17-079	296-44-025	REP-P	97-21-071	296-44-21230	REP-P	97-21-071
296-24-06150	NEW-P	97-17-079	296-44-035	REP-P	97-21-071	296-44-21241	REP-P	97-21-071
296-24-06155	NEW-P	97-17-079	296-44-03505	REP-P	97-21-071	296-44-21253	REP-P	97-21-071
296-24-06160	NEW-P	97-17-079	296-44-03509	REP-P	97-21-071	296-44-21265	REP-P	97-21-071
296-24-065	REP-P	97-17-079	296-44-041	REP-P	97-21-071	296-44-21273	REP-P	97-21-071
296-24-067	REP-P	97-17-079	296-44-04105	REP-P	97-21-071	296-44-21279	REP-P	97-21-071
296-24-070	REP-P	97-17-079	296-44-04109	REP-P	97-21-071	296-44-21287	REP-P	97-21-071
296-24-18005	AMD-P	97-21-041	296-44-04125	REP-P	97-21-071	296-44-21295	REP-P	97-21-071
296-24-18005	AMD	98-02-028	296-44-04129	REP-P	97-21-071	296-44-242	REP-P	97-21-071
296-24-205	AMD-P	97-21-146	296-44-04135	REP-P	97-21-071	296-44-24205	REP-P	97-21-071
296-24-20501	AMD-P	97-21-146	296-44-051	REP-P	97-21-071	296-44-24213	REP-P	97-21-071
296-24-20503	AMD-P	97-21-146	296-44-05105	REP-P	97-21-071	296-44-24221	REP-P	97-21-071
296-24-20505	AMD-P	97-21-146	296-44-05109	REP-P	97-21-071	296-44-24233	REP-P	97-21-071
296-24-20507	AMD-P	97-21-146	296-44-05115	REP-P	97-21-071	296-44-263	REP-P	97-21-071
296-24-20509	AMD-P	97-21-146	296-44-05119	REP-P	97-21-071	296-44-26309	REP-P	97-21-071
296-24-20511	AMD-P	97-21-146	296-44-05125	REP-P	97-21-071	296-44-26321	REP-P	97-21-071
296-24-20513	AMD-P	97-21-146	296-44-05129	REP-P	97-21-071	296-44-26333	REP-P	97-21-071
296-24-20515	AMD-P	97-21-146	296-44-05131	REP-P	97-21-071	296-44-278	REP-P	97-21-071
296-24-20517	AMD-P	97-21-146	296-44-05135	REP-P	97-21-071	296-44-27809	REP-P	97-21-071
296-24-20519	AMD-P	97-21-146	296-44-05141	REP-P	97-21-071	296-44-27821	REP-P	97-21-071
296-24-20521	AMD-P	97-21-146	296-44-065	REP-P	97-21-071	296-44-27833	REP-P	97-21-071
296-24-20523	AMD-P	97-21-146	296-44-06505	REP-P	97-21-071	296-44-27847	REP-P	97-21-071
296-24-20525	AMD-P	97-21-146	296-44-06511	REP-P	97-21-071	296-44-29501	REP-P	97-21-071
296-24-20527	AMD-P	97-21-146	296-44-06517	REP-P	97-21-071	296-44-29509	REP-P	97-21-071
296-24-20529	AMD-P	97-21-146	296-44-074	REP-P	97-21-071	296-44-29515	REP-P	97-21-071
296-24-20531	AMD-P	97-21-146	296-44-07405	REP-P	97-21-071	296-44-29523	REP-P	97-21-071
296-24-20533	AMD-P	97-21-146	296-44-07411	REP-P	97-21-071	296-44-29529	REP-P	97-21-071
296-24-67501	AMD-P	97-13-062	296-44-07417	REP-P	97-21-071	296-44-29539	REP-P	97-21-071
296-24-67501	AMD	98-02-006	296-44-07423	REP-P	97-21-071	296-44-29541	REP-P	97-21-071
296-24-67505	AMD-P	97-13-062	296-44-07427	REP-P	97-21-071	296-44-29551	REP-P	97-21-071
296-24-67505	AMD	98-02-006	296-44-07433	REP-P	97-21-071	296-44-29563	REP-P	97-21-071
296-24-67507	AMD-P	97-13-062	296-44-07439	REP-P	97-21-071	296-44-29572	REP-P	97-21-071
296-24-67507	AMD	98-02-006	296-44-086	REP-P	97-21-071	296-44-317	REP-P	97-21-071
296-24-67509	AMD-P	97-13-062	296-44-08605	REP-P	97-21-071	296-44-31709	REP-P	97-21-071
296-24-67509	AMD	98-02-006	296-44-08611	REP-P	97-21-071	296-44-31719	REP-P	97-21-071
296-24-67511	AMD-P	97-13-062	296-44-08619	REP-P	97-21-071	296-44-31729	REP-P	97-21-071
296-24-67511	AMD	98-02-006	296-44-098	REP-P	97-21-071	296-44-31738	REP-P	97-21-071
296-24-67513	AMD-P	97-13-062	296-44-09805	REP-P	97-21-071	296-44-31749	REP-P	97-21-071
296-24-67513	AMD	98-02-006	296-44-09811	REP-P	97-21-071	296-44-31757	REP-P	97-21-071
296-24-67515	AMD-P	97-13-062	296-44-09819	REP-P	97-21-071	296-44-31765	REP-P	97-21-071
296-24-67515	AMD	98-02-006	296-44-09826	REP-P	97-21-071	296-44-31772	REP-P	97-21-071
296-24-67517	AMD-P	97-13-062	296-44-110	REP-P	97-21-071	296-44-31783	REP-P	97-21-071
296-24-67517	AMD	98-02-006	296-44-11005	REP-P	97-21-071	296-44-31792	REP-P	97-21-071
296-24-67519	AMD-P	97-13-062	296-44-11021	REP-P	97-21-071	296-44-350	REP-P	97-21-071
296-24-67519	AMD	98-02-006	296-44-11029	REP-P	97-21-071	296-44-35009	REP-P	97-21-071
296-24-67520	NEW-P	97-13-062	296-44-11035	REP-P	97-21-071	296-44-35021	REP-P	97-21-071
296-24-67520	NEW	98-02-006	296-44-11041	REP-P	97-21-071	296-44-365	REP-P	97-21-071
296-24-67521	NEW-P	97-13-062	296-44-125	REP-P	97-21-071	296-44-36518	REP-P	97-21-071
296-24-67521	NEW	98-02-006	296-44-12505	REP-P	97-21-071	296-44-36527	REP-P	97-21-071
296-24-677	REP-P	97-13-062	296-44-12515	REP-P	97-21-071	296-44-36539	REP-P	97-21-071
296-24-677	REP	98-02-006	296-44-134	REP-P	97-21-071	296-44-36551	REP-P	97-21-071
296-24-67701	REP-P	97-13-062	296-44-13405	REP-P	97-21-071	296-44-36563	REP-P	97-21-071
296-24-67701	REP	98-02-006	296-44-13415	REP-P	97-21-071	296-44-36575	REP-P	97-21-071
296-27-15503	AMD-P	97-03-085	296-44-13421	REP-P	97-21-071	296-44-370	REP-P	97-21-071
296-27-15503	AMD	97-11-054	296-44-13431	REP-P	97-21-071	296-44-386	REP-P	97-21-071

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
296-44-38609	REP-P	97-21-071	296-45-115	NEW-P	97-21-147	296-45-65005	REP-P	97-21-147
296-44-38628	REP-P	97-21-071	296-45-125	NEW-P	97-21-147	296-45-65009	REP-P	97-21-147
296-44-38641	REP-P	97-21-071	296-45-135	NEW-P	97-21-147	296-45-65011	REP-P	97-21-147
296-44-38653	REP-P	97-21-071	296-45-175	NEW-P	97-21-147	296-45-65013	REP-P	97-21-147
296-44-398	REP-P	97-21-071	296-45-17505	NEW-P	97-21-147	296-45-65015	REP-P	97-21-147
296-44-39809	REP-P	97-21-071	296-45-17510	NEW-P	97-21-147	296-45-65017	REP-P	97-21-147
296-44-39823	REP-P	97-21-071	296-45-17515	NEW-P	97-21-147	296-45-65019	REP-P	97-21-147
296-44-39842	REP-P	97-21-071	296-45-17520	NEW-P	97-21-147	296-45-65021	REP-P	97-21-147
296-44-39855	REP-P	97-21-071	296-45-17525	NEW-P	97-21-147	296-45-65023	REP-P	97-21-147
296-44-413	REP-P	97-21-071	296-45-17530	NEW-P	97-21-147	296-45-65026	REP-P	97-21-147
296-44-41309	REP-P	97-21-071	296-45-17535	NEW-P	97-21-147	296-45-65027	REP-P	97-21-147
296-44-41321	REP-P	97-21-071	296-45-17540	NEW-P	97-21-147	296-45-65029	REP-P	97-21-147
296-44-41333	REP-P	97-21-071	296-45-17545	NEW-P	97-21-147	296-45-65031	REP-P	97-21-147
296-44-41341	REP-P	97-21-071	296-45-17550	NEW-P	97-21-147	296-45-65033	REP-P	97-21-147
296-44-41359	REP-P	97-21-071	296-45-17555	NEW-P	97-21-147	296-45-65035	REP-P	97-21-147
296-44-425	REP-P	97-21-071	296-45-17560	NEW-P	97-21-147	296-45-65037	REP-P	97-21-147
296-44-42509	REP-P	97-21-071	296-45-17565	NEW-P	97-21-147	296-45-65038	REP-P	97-21-147
296-44-42521	REP-P	97-21-071	296-45-195	NEW-P	97-21-147	296-45-65039	REP-P	97-21-147
296-44-42533	REP-P	97-21-071	296-45-205	NEW-P	97-21-147	296-45-65041	REP-P	97-21-147
296-44-42541	REP-P	97-21-071	296-45-215	NEW-P	97-21-147	296-45-65043	REP-P	97-21-147
296-44-42559	REP-P	97-21-071	296-45-225	NEW-P	97-21-147	296-45-65045	REP-P	97-21-147
296-44-440	REP-P	97-21-071	296-45-255	NEW-P	97-21-147	296-45-65047	REP-P	97-21-147
296-44-44009	REP-P	97-21-071	296-45-25505	NEW-P	97-21-147	296-45-660	REP-P	97-21-147
296-44-44021	REP-P	97-21-071	296-45-25510	NEW-P	97-21-147	296-45-66001	REP-P	97-21-147
296-44-44033	REP-P	97-21-071	296-45-275	NEW-P	97-21-147	296-45-66003	REP-P	97-21-147
296-44-44047	REP-P	97-21-071	296-45-285	NEW-P	97-21-147	296-45-66005	REP-P	97-21-147
296-44-452	REP-P	97-21-071	296-45-295	NEW-P	97-21-147	296-45-66007	REP-P	97-21-147
296-44-45209	REP-P	97-21-071	296-45-305	NEW-P	97-21-147	296-45-66009	REP-P	97-21-147
296-44-45219	REP-P	97-21-071	296-45-315	NEW-P	97-21-147	296-45-66011	REP-P	97-21-147
296-44-45231	REP-P	97-21-071	296-45-325	NEW-P	97-21-147	296-45-67543	AMD-P	97-21-147
296-44-45243	REP-P	97-21-071	296-45-335	NEW-P	97-21-147	296-45-680	REP-P	97-21-147
296-44-45257	REP-P	97-21-071	296-45-345	NEW-P	97-21-147	296-45-690	REP-P	97-21-147
296-44-467	REP-P	97-21-071	296-45-355	NEW-P	97-21-147	296-45-695	REP-P	97-21-147
296-44-46709	REP-P	97-21-071	296-45-365	NEW-P	97-21-147	296-45-700	REP-P	97-21-147
296-44-46733	REP-P	97-21-071	296-45-375	NEW-P	97-21-147	296-45-900	NEW-P	97-21-147
296-44-46739	REP-P	97-21-071	296-45-385	NEW-P	97-21-147	296-45-901	NEW-P	97-21-147
296-44-46747	REP-P	97-21-071	296-45-455	NEW-P	97-21-147	296-45-903	NEW-P	97-21-147
296-44-46755	REP-P	97-21-071	296-45-45505	NEW-P	97-21-147	296-45-905	NEW-P	97-21-147
296-44-46761	REP-P	97-21-071	296-45-45510	NEW-P	97-21-147	296-46	PREP	97-02-095
296-44-491	REP-P	97-21-071	296-45-45515	NEW-P	97-21-147	296-46	AMD-C	97-15-143
296-44-49109	REP-P	97-21-071	296-45-45520	NEW-P	97-21-147	296-46	PREP	97-21-142
296-44-49121	REP-P	97-21-071	296-45-45525	NEW-P	97-21-147	296-46-090	AMD-P	97-03-083
296-44-850	REP-P	97-21-071	296-45-45530	NEW-P	97-21-147	296-46-090	AMD	97-12-016
296-44-855	REP-P	97-21-071	296-45-465	NEW-P	97-21-147	296-46-090	AMD-P	97-14-111
296-44-860	REP-P	97-21-071	296-45-475	NEW-P	97-21-147	296-46-090	AMD	97-24-033
296-44-865	REP-P	97-21-071	296-45-485	NEW-P	97-21-147	296-46-130	AMD-P	97-03-083
296-44-870	REP-P	97-21-071	296-45-48505	NEW-P	97-21-147	296-46-130	AMD	97-12-016
296-44-875	REP-P	97-21-071	296-45-48510	NEW-P	97-21-147	296-46-140	AMD-P	97-03-083
296-44-880	REP-P	97-21-071	296-45-48515	NEW-P	97-21-147	296-46-140	AMD	97-12-016
296-44-88001	REP-P	97-21-071	296-45-48520	NEW-P	97-21-147	296-46-150	REP-P	97-03-083
296-44-88002	REP-P	97-21-071	296-45-48525	NEW-P	97-21-147	296-46-150	REP	97-12-016
296-44-88003	REP-P	97-21-071	296-45-48530	NEW-P	97-21-147	296-46-21008	AMD-P	97-03-083
296-44-88004	REP-P	97-21-071	296-45-48535	NEW-P	97-21-147	296-46-21008	AMD	97-12-016
296-44-88005	REP-P	97-21-071	296-45-48540	NEW-P	97-21-147	296-46-21052	AMD-P	97-03-083
296-44-88006	REP-P	97-21-071	296-45-48545	NEW-P	97-21-147	296-46-21052	AMD	97-12-016
296-44-88007	REP-P	97-21-071	296-45-48550	NEW-P	97-21-147	296-46-21052	AMD-P	97-14-111
296-44-88008	REP-P	97-21-071	296-45-48555	NEW-P	97-21-147	296-46-21052	AMD	97-24-033
296-44-88009	REP-P	97-21-071	296-45-48560	NEW-P	97-21-147	296-46-225	AMD-P	97-03-083
296-44-88010	REP-P	97-21-071	296-45-525	NEW-P	97-21-147	296-46-225	AMD	97-12-016
296-44-88011	REP-P	97-21-071	296-45-52505	NEW-P	97-21-147	296-46-23028	AMD-P	97-03-083
296-45	PREP	97-16-119	296-45-52510	NEW-P	97-21-147	296-46-23028	AMD	97-12-016
296-45	AMD-P	97-21-147	296-45-52515	NEW-P	97-21-147	296-46-23062	AMD-P	97-03-083
296-45-005	NEW-P	97-21-147	296-45-52520	NEW-P	97-21-147	296-46-23062	AMD	97-12-016
296-45-015	NEW-P	97-21-147	296-45-52525	NEW-P	97-21-147	296-46-30001	AMD-P	97-03-083
296-45-025	NEW-P	97-21-147	296-45-52530	NEW-P	97-21-147	296-46-30001	AMD	97-12-016
296-45-035	NEW-P	97-21-147	296-45-52535	NEW-P	97-21-147	296-46-360	AMD-P	97-03-083
296-45-045	NEW-P	97-21-147	296-45-52540	NEW-P	97-21-147	296-46-360	AMD	97-12-016
296-45-055	NEW-P	97-21-147	296-45-52545	NEW-P	97-21-147	296-46-370	AMD-P	97-03-083
296-45-065	NEW-P	97-21-147	296-45-52550	NEW-P	97-21-147	296-46-370	AMD	97-12-016
296-45-075	NEW-P	97-21-147	296-45-545	NEW-P	97-21-147	296-46-514	AMD-P	97-03-083
296-45-085	NEW-P	97-21-147	296-45-60013	REP-P	97-21-147	296-46-514	AMD	97-12-016
296-45-095	NEW-P	97-21-147	296-45-650	REP-P	97-21-147	296-46-553	NEW-P	97-03-083
296-45-105	NEW-P	97-21-147	296-45-65003	REP-P	97-21-147	296-46-553	NEW	97-12-016

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296-46-700	AMD	97-12-016	296-62	PREP	97-09-078	296-86-080	AMD-P	97-03-132
296-46-725	AMD-P	97-03-083	296-62	PREP	97-24-070	296-86-080	AMD	97-11-053
296-46-725	AMD	97-12-016	296-62-05413	AMD-P	97-03-085	296-86-090	NEW-P	97-03-132
296-46-910	AMD-P	97-03-083	296-62-05413	AMD	97-11-055	296-86-090	NEW	97-11-053
296-46-910	AMD-E	97-10-064	296-62-07113	AMD-P	97-09-079	296-93-010	REP-P	97-14-110
296-46-910	AMD	97-12-016	296-62-07113	AMD	97-19-014	296-93-010	REP	97-22-069
296-46-910	AMD-P	97-14-111	296-62-07347	AMD-P	97-21-040	296-93-020	REP-P	97-14-110
296-46-910	AMD-E	97-16-070	296-62-07347	AMD	98-02-030	296-93-020	REP	97-22-069
296-46-910	AMD	97-24-033	296-62-07354	AMD-P	97-21-040	296-93-030	REP-P	97-14-110
296-46-915	AMD-P	97-03-083	296-62-07354	AMD	98-02-030	296-93-030	REP	97-22-069
296-46-915	AMD	97-12-016	296-62-07460	NEW-P	97-09-079	296-93-040	REP-P	97-14-110
296-46-915	AMD-P	97-14-111	296-62-07460	NEW	97-19-014	296-93-040	REP	97-22-069
296-46-915	AMD	97-24-033	296-62-07470	NEW-P	97-13-063	296-93-050	REP-P	97-14-110
296-46-920	AMD-P	97-03-083	296-62-07470	NEW	97-18-062	296-93-050	REP	97-22-069
296-46-920	AMD	97-12-016	296-62-07473	NEW-P	97-13-063	296-93-070	REP-P	97-14-110
296-46-930	AMD-P	97-14-111	296-62-07473	NEW	97-18-062	296-93-070	REP	97-22-069
296-46-930	AMD	97-24-033	296-62-07475	NEW-P	97-13-063	296-93-080	REP-P	97-14-110
296-46-950	AMD-P	97-14-111	296-62-07475	NEW	97-18-062	296-93-080	REP	97-22-069
296-46-950	AMD	97-24-033	296-62-07477	NEW-P	97-13-063	296-93-090	REP-P	97-14-110
296-46-960	NEW-P	97-14-111	296-62-07477	NEW	97-18-062	296-93-090	REP	97-22-069
296-46-960	NEW	97-24-033	296-62-075	AMD-P	97-09-079	296-93-100	REP-P	97-14-110
296-49	PREP	97-03-082	296-62-075	AMD	97-19-014	296-93-100	REP	97-22-069
296-49-005	REP-P	97-09-039	296-62-07501	AMD-P	97-09-079	296-93-120	REP-P	97-14-110
296-49-005	REP	97-16-043	296-62-07501	AMD	97-19-014	296-93-120	REP	97-22-069
296-49-010	REP-P	97-09-039	296-62-07510	AMD-P	97-09-079	296-93-140	REP-P	97-14-110
296-49-010	REP	97-16-043	296-62-07510	AMD	97-19-014	296-93-140	REP	97-22-069
296-49-015	REP-P	97-09-039	296-62-07515	AMD-P	97-09-079	296-93-150	REP-P	97-14-110
296-49-015	REP	97-16-043	296-62-07515	AMD	97-19-014	296-93-150	REP	97-22-069
296-49-020	REP-P	97-09-039	296-62-07515	AMD-E	98-02-010	296-93-160	REP-P	97-14-110
296-49-020	REP	97-16-043	296-62-07711	AMD-P	97-09-079	296-93-160	REP	97-22-069
296-49-025	REP-P	97-09-039	296-62-07711	AMD	97-19-014	296-93-170	REP-P	97-14-110
296-49-025	REP	97-16-043	296-62-07712	AMD-P	97-09-079	296-93-170	REP	97-22-069
296-49-030	REP-P	97-09-039	296-62-07712	AMD	97-19-014	296-93-190	REP-P	97-14-110
296-49-030	REP	97-16-043	296-62-07715	AMD-P	97-09-079	296-93-190	REP	97-22-069
296-49-035	REP-P	97-09-039	296-62-07715	AMD	97-19-014	296-93-200	REP-P	97-14-110
296-49-035	REP	97-16-043	296-62-07717	AMD-P	97-09-079	296-93-200	REP	97-22-069
296-49-040	REP-P	97-09-039	296-62-07717	AMD	97-19-014	296-93-210	REP-P	97-14-110
296-49-040	REP	97-16-043	296-62-07721	AMD-P	97-09-079	296-93-210	REP	97-22-069
296-49-045	REP-P	97-09-039	296-62-07721	AMD	97-19-014	296-93-220	REP-P	97-14-110
296-49-045	REP	97-16-043	296-62-07725	AMD-P	97-09-079	296-93-220	REP	97-22-069
296-49-050	REP-P	97-09-039	296-62-07725	AMD	97-19-014	296-93-230	REP-P	97-14-110
296-49-050	REP	97-16-043	296-62-07728	AMD-P	97-09-079	296-93-230	REP	97-22-069
296-49-055	REP-P	97-09-039	296-62-07728	AMD	97-19-014	296-93-240	REP-P	97-14-110
296-49-055	REP	97-16-043	296-62-07761	REP-P	97-09-079	296-93-240	REP	97-22-069
296-49-060	REP-P	97-09-039	296-62-07761	REP	97-19-014	296-93-250	REP-P	97-14-110
296-49-060	REP	97-16-043	296-62-11015	AMD-P	97-13-062	296-93-250	REP	97-22-069
296-49-065	REP-P	97-09-039	296-62-11015	AMD	98-02-006	296-93-260	REP-P	97-14-110
296-49-065	REP	97-16-043	296-62-20017	AMD-P	97-21-040	296-93-260	REP	97-22-069
296-49A-010	NEW-P	97-09-039	296-62-20017	AMD	98-02-030	296-93-270	REP-P	97-14-110
296-49A-010	NEW	97-16-043	296-62-20027	AMD-P	97-21-040	296-93-270	REP	97-22-069
296-49A-020	NEW-P	97-09-039	296-62-20027	AMD	98-02-030	296-93-280	REP-P	97-14-110
296-49A-020	NEW	97-16-043	296-62-20029	AMD-P	97-21-040	296-93-280	REP	97-22-069
296-49A-030	NEW-P	97-09-039	296-62-20029	AMD	98-02-030	296-93-290	REP-P	97-14-110
296-49A-030	NEW	97-16-043	296-63-009	AMD-P	97-21-042	296-93-290	REP	97-22-069
296-49A-040	NEW-P	97-09-039	296-63-009	AMD	98-02-029	296-93-300	AMD-P	97-03-132
296-49A-040	NEW	97-16-043	296-65-001	AMD-P	97-09-079	296-93-300	AMD	97-11-053
296-49A-050	NEW-P	97-09-039	296-65-001	AMD	97-19-014	296-93-300	REP-P	97-14-110
296-49A-050	NEW	97-16-043	296-65-030	AMD-P	97-09-079	296-93-300	REP	97-22-069
296-49A-060	NEW-P	97-09-039	296-65-030	AMD	97-19-014	296-93-320	REP-P	97-03-132
296-49A-060	NEW	97-16-043	296-81	PREP	97-21-144	296-93-320	REP	97-11-053
296-49A-070	NEW-P	97-09-039	296-86	PREP	97-21-144	296-93-320	REP-P	97-14-110
296-49A-070	NEW	97-16-043	296-86-020	AMD-P	97-03-132	296-93-330	AMD-P	97-03-132
296-49A-080	NEW-P	97-09-039	296-86-020	AMD	97-11-053	296-93-330	AMD	97-11-053
296-49A-080	NEW	97-16-043	296-86-030	AMD-P	97-03-132	296-93-330	REP-P	97-14-110
296-49A-090	NEW-P	97-09-039	296-86-030	AMD	97-11-053	296-93-330	REP	97-22-069
296-49A-090	NEW	97-16-043	296-86-050	AMD-P	97-03-132	296-93A-010	NEW-P	97-14-110
296-49A-100	NEW-P	97-09-039	296-86-050	AMD	97-11-053	296-93A-010	NEW	97-22-069
296-49A-100	NEW	97-16-043	296-86-060	AMD-P	97-03-132	296-93A-020	NEW-P	97-14-110
296-49A-110	NEW-P	97-09-039	296-86-060	AMD	97-11-053	296-93A-020	NEW	97-22-069
296-49A-110	NEW	97-16-043	296-86-070	AMD-P	97-03-132	296-93A-030	NEW-P	97-14-110
296-54	PREP	97-10-071	296-86-070	AMD	97-11-053	296-93A-030	NEW	97-22-069
296-62	PREP	97-05-047	296-86-075	AMD-P	97-03-132	296-93A-040	NEW-P	97-14-110

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296-93A-050	NEW-P	97-14-110	296-99-075	AMD	97-22-065	296-116-35001	DECOD	97-08-042
296-93A-050	NEW	97-22-069	296-99-080	AMD-P	97-09-079	296-116-360	AMD-P	97-06-103
296-93A-070	NEW-P	97-14-110	296-99-080	AMD	97-22-065	296-116-360	AMD-E	97-06-104
296-93A-070	NEW	97-22-069	296-99-085	AMD-P	97-09-079	296-116-360	DECOD	97-08-042
296-93A-080	NEW-P	97-14-110	296-99-085	AMD	97-22-065	296-116-370	DECOD	97-08-042
296-93A-080	NEW	97-22-069	296-99-090	AMD-P	97-09-079	296-116-400	DECOD	97-08-042
296-93A-090	NEW-P	97-14-110	296-99-090	AMD	97-22-065	296-116-410	DECOD	97-08-042
296-93A-090	NEW	97-22-069	296-99-093	AMD-P	97-09-079	296-116-420	DECOD	97-08-042
296-93A-100	NEW-P	97-14-110	296-99-093	AMD	97-22-065	296-116-500	DECOD	97-08-042
296-93A-100	NEW	97-22-069	296-99-095	AMD-P	97-09-079	296-126-098	PREP	97-18-078
296-93A-120	NEW-P	97-14-110	296-99-095	AMD	97-22-065	296-126-140	PREP-X	97-13-034
296-93A-120	NEW	97-22-069	296-104	PREP	97-11-004	296-126-140	REP	97-17-064
296-93A-140	NEW-P	97-14-110	296-104-107	NEW-P	97-15-138	296-128-013	NEW-W	97-03-073
296-93A-140	NEW	97-22-069	296-104-107	NEW	97-20-109	296-128-530	PREP	97-18-079
296-93A-150	NEW-P	97-14-110	296-104-200	AMD-P	97-15-138	296-128-535	NEW-P	97-21-145
296-93A-150	NEW	97-22-069	296-104-200	AMD	97-20-109	296-128-535	NEW	98-02-027
296-93A-160	NEW-P	97-14-110	296-104-215	AMD-P	97-15-138	296-129-020	PREP-X	97-13-034
296-93A-160	NEW	97-22-069	296-104-215	AMD	97-20-109	296-129-020	REP	97-17-064
296-93A-170	NEW-P	97-14-110	296-104-265	AMD-P	97-15-138	296-129-030	PREP-X	97-13-034
296-93A-170	NEW	97-22-069	296-104-265	AMD	97-20-109	296-129-030	REP	97-17-064
296-93A-190	NEW-P	97-14-110	296-104-270	AMD-P	97-15-138	296-129-040	PREP-X	97-13-034
296-93A-190	NEW	97-22-069	296-104-270	AMD	97-20-109	296-129-040	REP	97-17-064
296-93A-200	NEW-P	97-14-110	296-104-300	AMD-P	97-15-138	296-150C	PREP	97-21-141
296-93A-200	NEW	97-22-069	296-104-300	AMD	97-20-109	296-150C	PREP	97-21-143
296-93A-210	NEW-P	97-14-110	296-104-305	AMD-P	97-15-138	296-150C-0040	AMD-P	97-09-039
296-93A-210	NEW	97-22-069	296-104-305	AMD	97-20-109	296-150C-0040	AMD	97-16-043
296-93A-220	NEW-P	97-14-110	296-104-310	AMD-P	97-15-138	296-150C-0090	NEW-W	97-04-070
296-93A-220	NEW	97-22-069	296-104-310	AMD	97-20-109	296-150C-0100	AMD-P	97-09-039
296-93A-230	NEW-P	97-14-110	296-104-320	AMD-P	97-15-138	296-150C-0100	AMD	97-16-043
296-93A-230	NEW	97-22-069	296-104-320	AMD	97-20-109	296-150C-1010	NEW-W	97-04-070
296-93A-240	NEW-P	97-14-110	296-104-325	AMD-P	97-15-138	296-150C-3000	AMD-P	97-03-132
296-93A-240	NEW	97-22-069	296-104-325	AMD	97-20-109	296-150C-3000	AMD	97-11-053
296-93A-250	NEW-P	97-14-110	296-104-330	AMD-P	97-15-138	296-150F	PREP	97-21-141
296-93A-250	NEW	97-22-069	296-104-330	AMD	97-20-109	296-150F	PREP	97-21-143
296-93A-260	NEW-P	97-14-110	296-104-400	REP-P	97-15-138	296-150F-0040	AMD-P	97-09-039
296-93A-260	NEW	97-22-069	296-104-400	REP	97-20-109	296-150F-0040	AMD	97-16-043
296-93A-270	NEW-P	97-14-110	296-104-405	AMD-P	97-15-138	296-150F-0100	AMD-P	97-09-039
296-93A-270	NEW	97-22-069	296-104-405	AMD	97-20-109	296-150F-0100	AMD	97-16-043
296-93A-280	NEW-P	97-14-110	296-104-410	REP-P	97-15-138	296-150F-3000	AMD-P	97-03-132
296-93A-280	NEW	97-22-069	296-104-410	REP	97-20-109	296-150F-3000	AMD	97-11-053
296-93A-290	NEW-P	97-14-110	296-104-415	REP-P	97-15-138	296-150M	PREP	97-21-141
296-93A-290	NEW	97-22-069	296-104-415	REP	97-20-109	296-150M	PREP	97-21-143
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296-93A-300	NEW	97-22-069	296-116-010	DECOD	97-08-042	296-150M-0040	AMD	97-16-043
296-93A-330	NEW-P	97-14-110	296-116-020	DECOD	97-08-042	296-150M-0100	AMD-P	97-09-039
296-93A-330	NEW	97-22-069	296-116-030	DECOD	97-08-042	296-150M-0100	AMD	97-16-043
296-99-010	AMD-P	97-09-079	296-116-050	DECOD	97-08-042	296-150M-3000	AMD-P	97-03-132
296-99-010	AMD	97-22-065	296-116-060	DECOD	97-08-042	296-150M-3000	AMD	97-11-053
296-99-015	AMD-P	97-09-079	296-116-070	AMD	97-06-105	296-150P	PREP	97-21-141
296-99-015	AMD	97-22-065	296-116-070	DECOD	97-08-042	296-150P	PREP	97-21-143
296-99-020	AMD-P	97-09-079	296-116-075	DECOD	97-08-042	296-150P-0010	NEW-P	97-09-039
296-99-020	AMD	97-22-065	296-116-080	DECOD	97-08-042	296-150P-0010	NEW	97-16-043
296-99-025	AMD-P	97-09-079	296-116-081	DECOD	97-08-042	296-150P-0020	NEW-P	97-09-039
296-99-025	AMD	97-22-065	296-116-082	PREP	97-06-102	296-150P-0020	NEW	97-16-043
296-99-030	AMD-P	97-09-079	296-116-082	AMD-E	97-08-040	296-150P-0030	NEW-P	97-09-039
296-99-030	AMD	97-22-065	296-116-082	DECOD	97-08-042	296-150P-0030	NEW	97-16-043
296-99-035	AMD-P	97-09-079	296-116-083	DECOD	97-08-042	296-150P-0040	NEW-P	97-09-039
296-99-035	AMD	97-22-065	296-116-085	DECOD	97-08-042	296-150P-0040	NEW	97-16-043
296-99-040	AMD-P	97-09-079	296-116-110	DECOD	97-08-042	296-150P-0060	NEW-P	97-09-039
296-99-040	AMD	97-22-065	296-116-115	DECOD	97-08-042	296-150P-0060	NEW	97-16-043
296-99-045	AMD-P	97-09-079	296-116-120	DECOD	97-08-042	296-150P-0100	NEW-P	97-09-039
296-99-045	AMD	97-22-065	296-116-140	DECOD	97-08-042	296-150P-0100	NEW	97-16-043
296-99-050	AMD-P	97-09-079	296-116-150	DECOD	97-08-042	296-150P-0110	NEW-P	97-09-039
296-99-050	AMD	97-22-065	296-116-170	DECOD	97-08-042	296-150P-0110	NEW	97-16-043
296-99-055	AMD-P	97-09-079	296-116-175	DECOD	97-08-042	296-150P-0120	NEW-P	97-09-039
296-99-055	AMD	97-22-065	296-116-185	DECOD	97-08-042	296-150P-0120	NEW	97-16-043
296-99-060	AMD-P	97-09-079	296-116-200	AMD	97-06-106	296-150P-0130	NEW-P	97-09-039
296-99-060	AMD	97-22-065	296-116-200	DECOD	97-08-042	296-150P-0130	NEW	97-16-043
296-99-065	AMD-P	97-09-079	296-116-205	DECOD	97-08-042	296-150P-0200	NEW-P	97-09-039
296-99-065	AMD	97-22-065	296-116-2051	DECOD	97-08-042	296-150P-0200	NEW	97-16-043
296-99-070	AMD-P	97-09-079	296-116-300	AMD-P	97-08-041	296-150P-0210	NEW-P	97-09-039
296-99-070	AMD	97-22-065	296-116-300	DECOD	97-08-042	296-150P-0210	NEW	97-16-043

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
296-150P-0220	NEW-P	97-09-039	296-150R-0040	AMD-P	97-09-039	296-155-498	NEW-P	97-16-091
296-150P-0220	NEW	97-16-043	296-150R-0040	AMD	97-16-043	296-155-527	AMD-P	97-03-085
296-150P-0250	NEW-P	97-09-039	296-150R-0060	AMD-P	97-09-039	296-155-527	AMD	97-11-055
296-150P-0250	NEW	97-16-043	296-150R-0060	AMD	97-16-043	296-155-528	NEW-P	97-16-091
296-150P-0280	NEW-P	97-09-039	296-150R-0100	AMD-P	97-09-039	296-155-605	AMD-P	97-16-091
296-150P-0280	NEW	97-16-043	296-150R-0100	AMD	97-16-043	296-155-615	AMD-P	97-16-091
296-150P-0290	NEW-P	97-09-039	296-150R-0110	AMD-P	97-09-039	296-155-683	AMD-P	97-16-091
296-150P-0290	NEW	97-16-043	296-150R-0110	AMD	97-16-043	296-155-688	AMD-P	97-16-091
296-150P-0300	NEW-P	97-09-039	296-150R-0120	AMD-P	97-09-039	296-155-689	AMD-P	97-16-091
296-150P-0300	NEW	97-16-043	296-150R-0120	AMD	97-16-043	296-155-700	AMD-P	97-16-091
296-150P-0310	NEW-P	97-09-039	296-150R-0130	AMD-P	97-09-039	296-155-730	AMD-P	97-16-091
296-150P-0310	NEW	97-16-043	296-150R-0130	AMD	97-16-043	296-200	PREP	97-03-081
296-150P-0320	NEW-P	97-09-039	296-150R-0200	AMD-P	97-09-039	296-200-005	REP-P	97-16-090
296-150P-0320	NEW	97-16-043	296-150R-0200	AMD	97-16-043	296-200-005	REP	97-24-071
296-150P-0330	NEW-P	97-09-039	296-150R-0250	AMD-P	97-09-039	296-200-015	REP-P	97-16-090
296-150P-0330	NEW	97-16-043	296-150R-0250	AMD	97-16-043	296-200-015	REP	97-24-071
296-150P-0340	NEW-P	97-09-039	296-150R-0280	AMD-P	97-09-039	296-200-025	AMD-P	97-03-132
296-150P-0340	NEW	97-16-043	296-150R-0280	AMD	97-16-043	296-200-025	AMD	97-11-053
296-150P-0350	NEW-P	97-09-039	296-150R-0400	AMD-P	97-09-039	296-200-025	REP-P	97-16-090
296-150P-0350	NEW	97-16-043	296-150R-0400	AMD	97-16-043	296-200-025	REP	97-24-071
296-150P-0400	NEW-P	97-09-039	296-150R-0640	AMD-P	97-09-039	296-200-035	REP-P	97-16-090
296-150P-0400	NEW	97-16-043	296-150R-0640	AMD	97-16-043	296-200-035	REP	97-24-071
296-150P-0410	NEW-P	97-09-039	296-150R-0850	AMD-P	97-09-039	296-200-040	REP-P	97-16-090
296-150P-0410	NEW	97-16-043	296-150R-0850	AMD	97-16-043	296-200-040	REP	97-24-071
296-150P-0420	NEW-P	97-09-039	296-150R-1000	AMD-P	97-09-039	296-200-050	AMD-P	97-03-132
296-150P-0420	NEW	97-16-043	296-150R-1000	AMD	97-16-043	296-200-050	AMD	97-11-053
296-150P-0440	NEW-P	97-09-039	296-150R-2000	AMD-P	97-09-039	296-200-050	REP-P	97-16-090
296-150P-0440	NEW	97-16-043	296-150R-2000	AMD	97-16-043	296-200-050	REP	97-24-071
296-150P-0450	NEW-P	97-09-039	296-150R-2020	AMD-P	97-09-039	296-200-060	REP-P	97-16-090
296-150P-0450	NEW	97-16-043	296-150R-2020	AMD	97-16-043	296-200-060	REP	97-24-071
296-150P-0600	NEW-P	97-09-039	296-150R-3000	AMD-P	97-03-132	296-200-070	REP-P	97-16-090
296-150P-0600	NEW	97-16-043	296-150R-3000	AMD-P	97-09-039	296-200-070	REP	97-24-071
296-150P-0610	NEW-P	97-09-039	296-150R-3000	AMD	97-11-053	296-200-080	REP-P	97-16-090
296-150P-0610	NEW	97-16-043	296-150R-3000	AMD	97-16-043	296-200-080	REP	97-24-071
296-150P-0620	NEW-P	97-09-039	296-155	PREP	97-10-095	296-200-090	REP-P	97-16-090
296-150P-0620	NEW	97-16-043	296-155-24525	AMD-P	97-16-091	296-200-090	REP	97-24-071
296-150P-0630	NEW-P	97-09-039	296-155-481	AMD-P	97-16-091	296-200-100	REP-P	97-16-090
296-150P-0630	NEW	97-16-043	296-155-482	NEW-P	97-16-091	296-200-100	REP	97-24-071
296-150P-0640	NEW-P	97-09-039	296-155-483	AMD-P	97-16-091	296-200-110	REP-P	97-16-090
296-150P-0640	NEW	97-16-043	296-155-484	NEW-P	97-16-091	296-200-110	REP	97-24-071
296-150P-0700	NEW-P	97-09-039	296-155-485	AMD-P	97-16-091	296-200-111	REP-P	97-16-090
296-150P-0700	NEW	97-16-043	296-155-48503	REP-P	97-16-091	296-200-111	REP	97-24-071
296-150P-0710	NEW-P	97-09-039	296-155-48504	REP-P	97-16-091	296-200-112	REP-P	97-16-090
296-150P-0710	NEW	97-16-043	296-155-48505	REP-P	97-16-091	296-200-112	REP	97-24-071
296-150P-0720	NEW-P	97-09-039	296-155-48506	REP-P	97-16-091	296-200-300	REP-P	97-16-090
296-150P-0720	NEW	97-16-043	296-155-48507	REP-P	97-16-091	296-200-300	REP	97-24-071
296-150P-1000	NEW-P	97-09-039	296-155-48508	REP-P	97-16-091	296-200-310	REP-P	97-16-090
296-150P-1000	NEW	97-16-043	296-155-48509	REP-P	97-16-091	296-200-310	REP	97-24-071
296-150P-1010	NEW-P	97-09-039	296-155-48510	REP-P	97-16-091	296-200-320	REP-P	97-16-090
296-150P-1010	NEW	97-16-043	296-155-48511	REP-P	97-16-091	296-200-320	REP	97-24-071
296-150P-1020	NEW-P	97-09-039	296-155-48512	REP-P	97-16-091	296-200-330	REP-P	97-16-090
296-150P-1020	NEW	97-16-043	296-155-48513	REP-P	97-16-091	296-200-330	REP	97-24-071
296-150P-2000	NEW-P	97-09-039	296-155-48514	REP-P	97-16-091	296-200-340	REP-P	97-16-090
296-150P-2000	NEW	97-16-043	296-155-48515	REP-P	97-16-091	296-200-340	REP	97-24-071
296-150P-2010	NEW-P	97-09-039	296-155-48516	REP-P	97-16-091	296-200-350	REP-P	97-16-090
296-150P-2010	NEW	97-16-043	296-155-48517	REP-P	97-16-091	296-200-350	REP	97-24-071
296-150P-2020	NEW-P	97-09-039	296-155-48518	REP-P	97-16-091	296-200-360	REP-P	97-16-090
296-150P-2020	NEW	97-16-043	296-155-48519	REP-P	97-16-091	296-200-360	REP	97-24-071
296-150P-2030	NEW-P	97-09-039	296-155-48523	REP-P	97-16-091	296-200-370	REP-P	97-16-090
296-150P-2030	NEW	97-16-043	296-155-48525	REP-P	97-16-091	296-200-370	REP	97-24-071
296-150P-3000	NEW-P	97-09-039	296-155-48527	REP-P	97-16-091	296-200-380	REP-P	97-16-090
296-150P-3000	NEW	97-16-043	296-155-48529	REP-P	97-16-091	296-200-380	REP	97-24-071
296-150R	PREP	97-03-082	296-155-48531	REP-P	97-16-091	296-200-390	REP-P	97-16-090
296-150R	AMD-P	97-09-039	296-155-48533	REP-P	97-16-091	296-200-390	REP	97-24-071
296-150R	AMD	97-16-043	296-155-48536	REP-P	97-16-091	296-200-400	REP-P	97-16-090
296-150R	PREP	97-21-141	296-155-487	NEW-P	97-16-091	296-200-400	REP	97-24-071
296-150R	PREP	97-21-143	296-155-488	NEW-P	97-16-091	296-200-410	REP-P	97-16-090
296-150R-0010	AMD-P	97-09-039	296-155-489	NEW-P	97-16-091	296-200-410	REP	97-24-071
296-150R-0010	AMD	97-16-043	296-155-490	NEW-P	97-16-091	296-200-900	AMD-P	97-03-132
296-150R-0020	AMD-P	97-09-039	296-155-493	NEW-P	97-16-091	296-200-900	AMD	97-11-053
296-150R-0020	AMD	97-16-043	296-155-494	NEW-P	97-16-091	296-200-900	REP-P	97-16-090
296-150R-0030	AMD-P	97-09-039	296-155-496	NEW-P	97-16-091	296-200-900	REP	97-24-071
296-150R-0030	AMD	97-16-043	296-155-497	NEW-P	97-16-091	296-200A	PREP	97-21-143

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296-200A-005	NEW-P	97-16-090	296-304-05013	AMD-P	97-13-062	296-306A-05503	DECOD	97-09-013
296-200A-005	NEW	97-24-071	296-304-05013	AMD	98-02-006	296-306A-05505	DECOD	97-09-013
296-200A-015	NEW-P	97-16-090	296-304-06013	AMD-P	97-13-062	296-306A-05507	DECOD	97-09-013
296-200A-015	NEW	97-24-071	296-304-06013	AMD	98-02-006	296-306A-060	DECOD	97-09-013
296-200A-025	NEW-P	97-16-090	296-304-07013	AMD-P	97-13-062	296-306A-061	DECOD	97-09-013
296-200A-025	NEW	97-24-071	296-304-07013	AMD	98-02-006	296-306A-065	DECOD	97-09-013
296-200A-035	NEW-P	97-16-090	296-304-08007	AMD-P	97-13-062	296-306A-070	DECOD	97-09-013
296-200A-035	NEW	97-24-071	296-304-08007	AMD	98-02-006	296-306A-07001	DECOD	97-09-013
296-200A-040	NEW-P	97-16-090	296-304-08009	AMD-P	97-13-062	296-306A-07003	DECOD	97-09-013
296-200A-040	NEW	97-24-071	296-304-08009	AMD	98-02-006	296-306A-07005	DECOD	97-09-013
296-200A-050	NEW-P	97-16-090	296-304-090	AMD-P	97-13-062	296-306A-07007	DECOD	97-09-013
296-200A-050	NEW	97-24-071	296-304-090	AMD	98-02-006	296-306A-07009	DECOD	97-09-013
296-200A-060	NEW-P	97-16-090	296-304-09001	AMD-P	97-13-062	296-306A-07011	DECOD	97-09-013
296-200A-060	NEW	97-24-071	296-304-09001	AMD	98-02-006	296-306A-07013	DECOD	97-09-013
296-200A-070	NEW-P	97-16-090	296-304-09003	AMD-P	97-13-062	296-306A-073	DECOD	97-09-013
296-200A-070	NEW	97-24-071	296-304-09003	AMD	98-02-006	296-306A-076	DECOD	97-09-013
296-200A-080	NEW-P	97-16-090	296-304-09005	AMD-P	97-13-062	296-306A-080	DECOD	97-09-013
296-200A-080	NEW	97-24-071	296-304-09005	AMD	98-02-006	296-306A-08003	DECOD	97-09-013
296-200A-090	NEW-P	97-16-090	296-304-09007	AMD-P	97-13-062	296-306A-08006	DECOD	97-09-013
296-200A-090	NEW	97-24-071	296-304-09007	AMD	98-02-006	296-306A-08009	DECOD	97-09-013
296-200A-110	NEW-P	97-16-090	296-304-09009	NEW-P	97-13-062	296-306A-08012	DECOD	97-09-013
296-200A-110	NEW	97-24-071	296-304-09009	NEW	98-02-006	296-306A-08015	DECOD	97-09-013
296-200A-111	NEW-P	97-16-090	296-304-09011	NEW-P	97-13-062	296-306A-08018	AMD-P	97-03-131
296-200A-111	NEW	97-24-071	296-304-09011	NEW	98-02-006	296-306A-08018	AMD	97-08-051A
296-200A-112	NEW-P	97-16-090	296-304-09013	NEW-P	97-13-062	296-306A-08018	DECOD	97-09-013
296-200A-112	NEW	97-24-071	296-304-09013	NEW	98-02-006	296-306A-08021	DECOD	97-09-013
296-200A-300	NEW-P	97-16-090	296-304-09015	NEW-P	97-13-062	296-306A-085	DECOD	97-09-013
296-200A-300	NEW	97-24-071	296-304-09015	NEW	98-02-006	296-306A-090	DECOD	97-09-013
296-200A-305	NEW-P	97-16-090	296-304-09017	NEW-P	97-13-062	296-306A-095	DECOD	97-09-013
296-200A-305	NEW	97-24-071	296-304-09017	NEW	98-02-006	296-306A-09503	DECOD	97-09-013
296-200A-310	NEW-P	97-16-090	296-304-09019	NEW-P	97-13-062	296-306A-09506	DECOD	97-09-013
296-200A-310	NEW	97-24-071	296-304-09019	NEW	98-02-006	296-306A-09509	DECOD	97-09-013
296-200A-320	NEW-P	97-16-090	296-304-09021	NEW-P	97-13-062	296-306A-09512	DECOD	97-09-013
296-200A-320	NEW	97-24-071	296-304-09021	NEW	98-02-006	296-306A-09515	DECOD	97-09-013
296-200A-330	NEW-P	97-16-090	296-304-09023	NEW-P	97-13-062	296-306A-09518	DECOD	97-09-013
296-200A-330	NEW	97-24-071	296-304-09023	NEW	98-02-006	296-306A-100	DECOD	97-09-013
296-200A-340	NEW-P	97-16-090	296-306-060	REP-P	97-03-131	296-306A-10005	DECOD	97-09-013
296-200A-340	NEW	97-24-071	296-306-060	REP-E	97-06-040	296-306A-10010	DECOD	97-09-013
296-200A-350	NEW-P	97-16-090	296-306-060	REP	97-08-051A	296-306A-10015	DECOD	97-09-013
296-200A-350	NEW	97-24-071	296-306-060	REP-W	97-12-063	296-306A-10020	DECOD	97-09-013
296-200A-360	NEW-P	97-16-090	296-306-330	REP-P	97-03-131	296-306A-10025	DECOD	97-09-013
296-200A-360	NEW	97-24-071	296-306-330	REP-E	97-06-040	296-306A-107	DECOD	97-09-013
296-200A-370	NEW-P	97-16-090	296-306-330	REP	97-08-051A	296-306A-110	DECOD	97-09-013
296-200A-370	NEW	97-24-071	296-306-330	REP-W	97-12-063	296-306A-11005	DECOD	97-09-013
296-200A-380	NEW-P	97-16-090	296-306-400	REP-P	97-03-131	296-306A-11010	DECOD	97-09-013
296-200A-380	NEW	97-24-071	296-306-400	REP-E	97-06-040	296-306A-11015	DECOD	97-09-013
296-200A-390	NEW-P	97-16-090	296-306-400	REP	97-08-051A	296-306A-120	DECOD	97-09-013
296-200A-390	NEW	97-24-071	296-306-400	REP-W	97-12-063	296-306A-12005	DECOD	97-09-013
296-200A-400	NEW-P	97-16-090	296-306-40007	REP-P	97-03-131	296-306A-12010	DECOD	97-09-013
296-200A-400	NEW	97-24-071	296-306-40007	REP-E	97-06-040	296-306A-12015	DECOD	97-09-013
296-200A-405	NEW-P	97-16-090	296-306-40007	REP	97-08-051A	296-306A-12020	DECOD	97-09-013
296-200A-405	NEW	97-24-071	296-306-40007	REP-W	97-12-063	296-306A-12025	DECOD	97-09-013
296-200A-500	NEW-P	97-16-090	296-306-40009	REP-P	97-03-131	296-306A-12030	DECOD	97-09-013
296-200A-500	NEW	97-24-071	296-306-40009	REP-E	97-06-040	296-306A-12035	DECOD	97-09-013
296-200A-510	NEW-P	97-16-090	296-306-40009	REP	97-08-051A	296-306A-12040	DECOD	97-09-013
296-200A-510	NEW	97-24-071	296-306-40009	REP-W	97-12-063	296-306A-12045	DECOD	97-09-013
296-200A-900	NEW-P	97-16-090	296-306A-003	DECOD	97-09-013	296-306A-12050	DECOD	97-09-013
296-200A-900	NEW	97-24-071	296-306A-006	DECOD	97-09-013	296-306A-12055	DECOD	97-09-013
296-301-020	AMD-P	97-21-146	296-306A-009	DECOD	97-09-013	296-306A-130	DECOD	97-09-013
296-304-010	AMD-P	97-13-062	296-306A-012	DECOD	97-09-013	296-306A-13005	DECOD	97-09-013
296-304-010	AMD	98-02-006	296-306A-015	DECOD	97-09-013	296-306A-13010	DECOD	97-09-013
296-304-01001	AMD-P	97-13-062	296-306A-018	DECOD	97-09-013	296-306A-13015	DECOD	97-09-013
296-304-01001	AMD	98-02-006	296-306A-021	DECOD	97-09-013	296-306A-13020	DECOD	97-09-013
296-304-03001	AMD-P	97-13-062	296-306A-024	DECOD	97-09-013	296-306A-13025	DECOD	97-09-013
296-304-03001	AMD	98-02-006	296-306A-030	DECOD	97-09-013	296-306A-13030	DECOD	97-09-013
296-304-03003	AMD-P	97-13-062	296-306A-033	DECOD	97-09-013	296-306A-13035	DECOD	97-09-013
296-304-03003	AMD	98-02-006	296-306A-036	DECOD	97-09-013	296-306A-13040	DECOD	97-09-013
296-304-03005	AMD-P	97-13-062	296-306A-039	DECOD	97-09-013	296-306A-13045	DECOD	97-09-013
296-304-03005	AMD	98-02-006	296-306A-042	DECOD	97-09-013	296-306A-13050	DECOD	97-09-013
296-304-03007	AMD-P	97-13-062	296-306A-045	DECOD	97-09-013	296-306A-13055	DECOD	97-09-013
296-304-03007	AMD	98-02-006	296-306A-050	DECOD	97-09-013	296-306A-145	DECOD	97-09-013
296-304-05007	AMD-P	97-13-062	296-306A-055	DECOD	97-09-013	296-306A-14505	DECOD	97-09-013
296-304-05007	AMD	98-02-006	296-306A-05501	DECOD	97-09-013	296-306A-14510	DECOD	97-09-013

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
296-307-485	RECOD	97-09-013	296-400-020	REP-P	97-03-084	296-401-100	AMD	97-12-016
296-307-48501	RECOD	97-09-013	296-400-020	REP	97-11-052	296-401-100	AMD-P	97-14-111
296-307-48503	RECOD	97-09-013	296-400-030	REP-P	97-03-084	296-401-100	AMD	97-24-033
296-307-48505	RECOD	97-09-013	296-400-030	REP	97-11-052	296-401-120	AMD-P	97-03-083
296-307-48507	RECOD	97-09-013	296-400-035	REP-P	97-03-084	296-401-120	AMD	97-12-016
296-307-48509	RECOD	97-09-013	296-400-035	REP	97-11-052	296-401-163	AMD-P	97-14-111
296-307-490	RECOD	97-09-013	296-400-045	REP-P	97-03-084	296-401-163	AMD	97-24-033
296-307-49001	RECOD	97-09-013	296-400-045	REP	97-11-052	296-401-165	AMD-P	97-03-083
296-307-49003	RECOD	97-09-013	296-400-050	REP-P	97-03-084	296-401-165	AMD	97-12-016
296-307-49005	RECOD	97-09-013	296-400-050	REP	97-11-052	296-401-165	AMD-P	97-14-111
296-307-49007	RECOD	97-09-013	296-400-070	REP-P	97-03-084	296-401-165	AMD	97-24-033
296-307-49009	RECOD	97-09-013	296-400-070	REP	97-11-052	296-401-170	AMD-P	97-14-111
296-307-49011	RECOD	97-09-013	296-400-100	REP-P	97-03-084	296-401-170	AMD	97-24-033
296-307-49013	RECOD	97-09-013	296-400-100	REP	97-11-052	296-401-175	AMD-P	97-03-083
296-307-49015	RECOD	97-09-013	296-400-110	REP-P	97-03-084	296-401-175	AMD	97-12-016
296-307-495	RECOD	97-09-013	296-400-110	REP	97-11-052	296-401-175	AMD-P	97-14-111
296-307-49501	RECOD	97-09-013	296-400-120	REP-P	97-03-084	296-401-175	AMD	97-24-033
296-307-49503	RECOD	97-09-013	296-400-120	REP	97-11-052	308-10-050	AMD-P	97-14-103
296-307-49505	RECOD	97-09-013	296-400-130	REP-P	97-03-084	308-10-050	AMD	97-17-009
296-307-49507	RECOD	97-09-013	296-400-130	REP	97-11-052	308-11-140	NEW-P	97-07-035
296-307-500	RECOD	97-09-013	296-400-140	REP-P	97-03-084	308-11-140	NEW	97-10-046
296-307-50001	RECOD	97-09-013	296-400-140	REP	97-11-052	308-11-150	NEW-P	97-07-035
296-307-50003	RECOD	97-09-013	296-400-300	REP-P	97-03-084	308-11-150	NEW	97-10-046
296-307-50005	RECOD	97-09-013	296-400-300	REP	97-11-052	308-11-160	NEW-P	97-07-035
296-307-50007	RECOD	97-09-013	296-400A	PREP	97-21-143	308-11-160	NEW	97-10-046
296-307-50009	RECOD	97-09-013	296-400A-005	NEW-P	97-03-085	308-12-025	AMD	97-03-121
296-307-50011	RECOD	97-09-013	296-400A-005	NEW	97-11-052	308-12-031	AMD	97-03-121
296-307-50013	RECOD	97-09-013	296-400A-020	NEW-P	97-03-085	308-12-040	AMD	97-03-121
296-307-50015	RECOD	97-09-013	296-400A-020	NEW	97-11-052	308-12-050	AMD	97-03-121
296-307-50017	RECOD	97-09-013	296-400A-030	NEW-P	97-03-085	308-12-140	REP	97-03-121
296-307-50019	RECOD	97-09-013	296-400A-030	NEW	97-11-052	308-12-145	REP	97-03-121
296-307-50021	RECOD	97-09-013	296-400A-031	NEW-P	97-03-085	308-12-210	NEW	97-03-121
296-307-50023	RECOD	97-09-013	296-400A-031	NEW	97-11-052	308-12-220	NEW	97-03-121
296-307-50025	RECOD	97-09-013	296-400A-032	NEW-P	97-03-085	308-12-230	NEW	97-03-121
296-307-50027	RECOD	97-09-013	296-400A-032	NEW	97-11-052	308-12-240	NEW-W	97-03-065
296-307-50029	RECOD	97-09-013	296-400A-033	NEW-P	97-03-085	308-12-240	NEW	97-03-121
296-307-520	RECOD	97-09-013	296-400A-033	NEW	97-11-052	308-12-250	NEW-W	97-03-065
296-307-52001	RECOD	97-09-013	296-400A-035	NEW-P	97-03-085	308-12-260	NEW-W	97-03-065
296-307-52003	RECOD	97-09-013	296-400A-035	NEW	97-11-052	308-12-320	AMD	97-06-064
296-307-52005	RECOD	97-09-013	296-400A-045	NEW-P	97-03-085	308-12-324	AMD	97-03-121
296-307-52007	RECOD	97-09-013	296-400A-045	NEW	97-11-052	308-12-326	AMD	97-06-064
296-307-52009	RECOD	97-09-013	296-400A-050	NEW-P	97-03-085	308-12-326	AMD-P	97-10-080
296-307-52011	RECOD	97-09-013	296-400A-050	NEW	97-11-052	308-12-326	AMD	97-13-095
296-307-52013	RECOD	97-09-013	296-400A-070	NEW-P	97-03-085	308-13-045	NEW-P	97-03-022
296-307-52015	RECOD	97-09-013	296-400A-070	NEW	97-11-052	308-13-045	NEW	97-06-065
296-307-52017	RECOD	97-09-013	296-400A-100	NEW-P	97-03-085	308-13-160	AMD-P	97-03-022
296-307-52019	RECOD	97-09-013	296-400A-100	NEW	97-11-052	308-13-160	AMD	97-06-065
296-307-52021	RECOD	97-09-013	296-400A-110	NEW-P	97-03-085	308-13-210	NEW	97-10-026
296-307-52023	RECOD	97-09-013	296-400A-110	NEW	97-11-052	308-13-220	NEW	97-10-026
296-307-52025	RECOD	97-09-013	296-400A-120	NEW-P	97-03-085	308-13-230	NEW	97-10-026
296-307-52027	RECOD	97-09-013	296-400A-120	NEW	97-11-052	308-13-240	NEW	97-10-026
296-307-52029	RECOD	97-09-013	296-400A-121	NEW-P	97-03-085	308-14-210	NEW-P	97-07-031
296-307-52031	RECOD	97-09-013	296-400A-121	NEW	97-11-052	308-14-210	NEW	97-10-053
296-307-52033	RECOD	97-09-013	296-400A-130	NEW-P	97-03-085	308-14-220	NEW-P	97-07-031
296-307-52035	RECOD	97-09-013	296-400A-130	NEW	97-11-052	308-14-220	NEW	97-10-053
296-307-52037	RECOD	97-09-013	296-400A-140	NEW-P	97-03-085	308-14-230	NEW-P	97-07-031
296-307-52039	RECOD	97-09-013	296-400A-140	NEW	97-11-052	308-14-230	NEW	97-10-053
296-307-52041	RECOD	97-09-013	296-400A-300	NEW-P	97-03-085	308-17	AMD-P	97-13-080
296-307-52043	RECOD	97-09-013	296-400A-300	NEW	97-11-052	308-17	AMD	97-17-051
296-307-52045	RECOD	97-09-013	296-400A-400	NEW-P	97-03-085	308-17-010	AMD-P	97-13-080
296-307-52047	RECOD	97-09-013	296-400A-400	NEW	97-11-052	308-17-010	AMD	97-17-051
296-307-530	RECOD	97-09-013	296-400A-425	NEW-P	97-03-085	308-17-020	AMD-P	97-13-080
296-307-53001	RECOD	97-09-013	296-400A-425	NEW	97-11-052	308-17-020	AMD	97-17-051
296-307-53003	RECOD	97-09-013	296-401	PREP	97-02-095	308-17-030	AMD-P	97-13-080
296-307-53005	RECOD	97-09-013	296-401	AMD-C	97-15-143	308-17-030	AMD	97-17-051
296-307-53007	RECOD	97-09-013	296-401	PREP	97-21-142	308-17-100	AMD-P	97-13-080
296-307-53009	RECOD	97-09-013	296-401-060	AMD-P	97-14-111	308-17-100	AMD	97-17-051
296-307-53011	RECOD	97-09-013	296-401-060	AMD	97-24-033	308-17-105	AMD-P	97-13-080
296-307-53013	RECOD	97-09-013	296-401-080	AMD-P	97-03-083	308-17-105	AMD	97-17-051
296-307-53015	RECOD	97-09-013	296-401-080	AMD	97-12-016	308-17-110	AMD-P	97-13-080
296-307-53017	RECOD	97-09-013	296-401-090	AMD-P	97-03-083	308-17-110	AMD	97-17-051
296-400-005	REP-P	97-03-084	296-401-090	AMD	97-12-016	308-17-120	AMD-P	97-13-080
296-400-005	REP	97-11-052	296-401-100	AMD-P	97-03-083	308-17-120	AMD	97-17-051

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308-17-130	AMD-P	97-13-080	308-20-730	NEW	97-10-049	308-56A-285	AMD-P	97-09-002
308-17-130	AMD	97-17-051	308-29-090	NEW-P	97-07-033	308-56A-285	AMD-W	97-13-009
308-17-140	AMD-P	97-13-080	308-29-090	NEW-W	97-09-022	308-56A-300	AMD-P	97-09-002
308-17-140	AMD	97-17-051	308-29-100	NEW-P	97-07-033	308-56A-300	AMD-W	97-13-009
308-17-150	AMD-P	97-13-080	308-29-100	NEW-W	97-09-022	308-56A-305	AMD-P	97-09-002
308-17-150	AMD	97-17-051	308-29-110	NEW-P	97-07-033	308-56A-305	AMD-W	97-13-009
308-17-160	AMD-P	97-13-080	308-29-110	NEW-W	97-09-022	308-56A-310	AMD-P	97-09-002
308-17-160	AMD	97-17-051	308-30-170	NEW-P	97-07-029	308-56A-310	AMD-W	97-13-009
308-17-165	AMD-P	97-13-080	308-30-170	NEW	97-10-052	308-56A-315	AMD-P	97-09-002
308-17-165	AMD	97-17-051	308-30-180	NEW-P	97-07-029	308-56A-315	AMD-W	97-13-009
308-17-170	AMD-P	97-13-080	308-30-180	NEW	97-10-052	308-56A-320	AMD-P	97-09-002
308-17-170	AMD	97-17-051	308-30-190	NEW-P	97-07-029	308-56A-320	AMD-W	97-13-009
308-17-180	NEW-P	97-13-080	308-30-190	NEW	97-10-052	308-56A-325	AMD-P	97-09-002
308-17-180	NEW	97-17-051	308-32-100	NEW-P	97-07-027	308-56A-325	AMD-W	97-13-009
308-17-185	NEW-P	97-13-080	308-32-100	NEW	97-10-050	308-56A-330	AMD-P	97-09-002
308-17-185	NEW	97-17-051	308-32-110	NEW-P	97-07-027	308-56A-330	AMD-W	97-13-009
308-17-190	NEW-P	97-13-080	308-32-110	NEW	97-10-050	308-56A-335	AMD-P	97-09-002
308-17-190	NEW	97-17-051	308-32-120	NEW-P	97-07-027	308-56A-335	AMD-W	97-13-009
308-17-205	AMD-P	97-13-080	308-32-120	NEW	97-10-050	308-56A-340	REP-P	97-09-002
308-17-205	AMD	97-17-051	308-33-110	NEW-P	97-07-030	308-56A-340	REP-W	97-13-009
308-17-210	AMD-P	97-13-080	308-33-110	NEW	97-10-054	308-56A-345	REP-P	97-09-002
308-17-210	AMD	97-17-051	308-33-120	NEW-P	97-07-030	308-56A-345	REP-W	97-13-009
308-17-230	AMD-P	97-13-080	308-33-120	NEW	97-10-054	308-56A-350	AMD-P	97-09-002
308-17-230	AMD	97-17-051	308-33-130	NEW-P	97-07-030	308-56A-350	AMD-W	97-13-009
308-17-240	AMD-P	97-13-080	308-33-130	NEW	97-10-054	308-56A-355	REP-P	97-09-002
308-17-240	AMD	97-17-051	308-48-030	AMD-P	97-16-064	308-56A-355	REP-W	97-13-009
308-17-300	AMD-P	97-13-080	308-48-030	AMD	97-21-061	308-56A-360	AMD-P	97-09-002
308-17-300	AMD	97-17-051	308-48-031	AMD-P	97-16-063	308-56A-360	AMD-W	97-13-009
308-17-310	AMD-P	97-13-080	308-48-031	AMD	97-21-060	308-56A-365	AMD-P	97-09-002
308-17-310	AMD	97-17-051	308-48-150	AMD-P	97-16-062	308-56A-365	AMD-W	97-13-009
308-17-320	AMD-P	97-13-080	308-48-150	AMD	97-21-062	308-56A-370	NEW-P	97-09-002
308-17-320	AMD	97-17-051	308-48-160	AMD-P	97-16-062	308-56A-370	NEW-W	97-13-009
308-18-020	AMD-P	97-13-081	308-48-160	AMD	97-21-062	308-56A-400	REP-P	97-09-002
308-18-020	AMD	97-17-050	308-48-810	NEW-P	97-16-060	308-56A-400	REP-W	97-13-009
308-18-030	AMD-P	97-13-081	308-48-810	NEW	97-21-063	308-56A-400	PREP-XR	97-19-041
308-18-030	AMD	97-17-050	308-48-820	NEW-P	97-16-060	308-56A-400	REP	98-01-020
308-18-100	AMD-P	97-13-081	308-48-820	NEW	97-21-063	308-56A-405	REP-P	97-09-002
308-18-100	AMD	97-17-050	308-48-830	NEW-P	97-16-060	308-56A-405	REP-W	97-13-009
308-18-110	AMD-P	97-13-081	308-48-830	NEW	97-21-063	308-56A-410	REP-P	97-09-002
308-18-110	AMD	97-17-050	308-49-162	REP-P	97-16-061	308-56A-410	REP-W	97-13-009
308-18-120	AMD-P	97-13-081	308-49-162	REP	97-21-064	308-56A-415	REP-P	97-09-002
308-18-120	AMD	97-17-050	308-49-164	AMD-P	97-16-061	308-56A-415	REP-W	97-13-009
308-18-140	AMD-P	97-13-081	308-49-164	AMD	97-21-064	308-56A-470	AMD	97-07-014
308-18-140	AMD	97-17-050	308-56A	PREP	97-15-037	308-56A-610	AMD-P	97-06-028
308-18-150	AMD-P	97-13-081	308-56A-060	AMD-P	97-09-002	308-56A-610	AMD-S	97-09-038
308-18-150	AMD	97-17-050	308-56A-060	AMD-W	97-13-009	308-56A-610	AMD	97-14-034
308-18-170	AMD-P	97-13-081	308-56A-065	AMD	97-03-076	308-56A-620	AMD-P	97-06-028
308-18-170	AMD	97-17-050	308-56A-070	AMD	97-03-076	308-56A-620	AMD-S	97-09-038
308-18-180	NEW-P	97-13-081	308-56A-075	AMD	97-03-076	308-56A-620	AMD	97-14-034
308-18-180	NEW	97-17-050	308-56A-095	NEW-P	97-15-091	308-56A-630	REP-P	97-06-028
308-18-185	NEW-P	97-13-081	308-56A-095	NEW	97-19-015	308-56A-630	REP-S	97-09-038
308-18-185	NEW	97-17-050	308-56A-150	AMD	97-07-014	308-56A-630	REP	97-14-034
308-18-190	NEW-P	97-13-081	308-56A-160	AMD	97-07-014	308-56A-640	AMD-P	97-06-028
308-18-190	NEW	97-17-050	308-56A-200	AMD-P	97-09-002	308-56A-640	AMD-S	97-09-038
308-18-240	AMD-P	97-13-081	308-56A-200	AMD-W	97-13-009	308-56A-640	AMD	97-14-034
308-18-240	AMD	97-17-050	308-56A-205	AMD-P	97-09-002	308-56A-650	AMD-P	97-06-028
308-18-300	AMD-P	97-13-081	308-56A-205	AMD-W	97-13-009	308-56A-650	AMD-S	97-09-038
308-18-300	AMD	97-17-050	308-56A-210	AMD-P	97-09-002	308-56A-650	AMD	97-14-034
308-19-400	NEW-P	97-07-026	308-56A-210	AMD-W	97-13-009	308-56A-660	AMD-P	97-06-028
308-19-400	NEW	97-10-047	308-56A-215	AMD-P	97-09-002	308-56A-660	AMD-S	97-09-038
308-19-410	NEW-P	97-07-026	308-56A-215	AMD-W	97-13-009	308-56A-660	AMD	97-14-034
308-19-410	NEW	97-10-047	308-56A-250	AMD-P	97-09-002	308-56A-670	AMD-P	97-06-028
308-19-420	NEW-P	97-07-026	308-56A-250	AMD-W	97-13-009	308-56A-670	AMD-S	97-09-038
308-19-420	NEW	97-10-047	308-56A-255	REP-P	97-09-002	308-56A-670	AMD	97-14-034
308-20-160	PREP-X	97-13-026	308-56A-255	REP-W	97-13-009	308-56A-680	AMD-P	97-06-028
308-20-160	REP	97-17-062	308-56A-265	AMD-P	97-09-002	308-56A-680	AMD-S	97-09-038
308-20-500	PREP-X	97-13-026	308-56A-265	AMD-W	97-13-009	308-56A-680	AMD	97-14-034
308-20-500	REP	97-17-062	308-56A-270	AMD-P	97-09-002	308-56A-690	AMD-P	97-06-028
308-20-710	NEW-P	97-07-032	308-56A-270	AMD-W	97-13-009	308-56A-690	AMD-S	97-09-038
308-20-710	NEW	97-10-049	308-56A-275	AMD-P	97-09-002	308-56A-690	AMD	97-14-034
308-20-720	NEW-P	97-07-032	308-56A-275	AMD-W	97-13-009	308-57-005	AMD-P	97-07-069
308-20-720	NEW	97-10-049	308-56A-280	AMD-P	97-09-002	308-57-005	AMD	97-12-015
308-20-730	NEW-P	97-07-032	308-56A-280	AMD-W	97-13-009	308-57-010	AMD-P	97-07-069

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308-57-010	AMD	97-12-015	308-77-030	PREP-X	97-13-026	308-124F-030	PREP	97-18-068
308-57-020	AMD-P	97-07-069	308-77-030	REP	97-17-062	308-124F-040	REP-P	97-21-051
308-57-020	AMD	97-12-015	308-77-090	PREP-X	97-13-026	308-124F-040	REP	98-01-107
308-57-030	AMD-P	97-07-069	308-77-090	REP	97-17-062	308-125-120	PREP	97-09-082
308-57-030	AMD	97-12-015	308-80-015	PREP	97-20-108	308-125-120	PREP	97-09-083
308-57-110	AMD-P	97-07-069	308-80-020	PREP	97-20-108	308-125-120	PREP	97-11-059
308-57-110	AMD	97-12-015	308-93	PREP	97-12-026	308-125-120	AMD-P	97-13-030
308-57-120	AMD-P	97-07-069	308-93	PREP	97-21-105	308-125-120	AMD-P	97-15-101
308-57-120	AMD	97-12-015	308-93-050	AMD-P	97-21-056	308-125-120	AMD	97-16-042
308-57-130	AMD-P	97-07-069	308-93-050	AMD-W	98-01-070	308-125-120	AMD-C	97-18-032
308-57-130	AMD	97-12-015	308-93-055	NEW-P	97-21-056	308-125-120	AMD	97-21-077
308-57-135	NEW-P	97-07-069	308-93-055	NEW-W	98-01-070	308-127-310	NEW-P	97-07-028
308-57-135	NEW	97-12-015	308-93-640	AMD-P	97-21-056	308-127-310	NEW	97-10-051
308-57-140	AMD-P	97-07-069	308-93-640	AMD-W	98-01-070	308-127-310	NEW-P	97-07-028
308-57-140	AMD	97-12-015	308-94	PREP	97-21-103	308-127-320	NEW	97-10-051
308-57-210	AMD-P	97-07-069	308-95-010	PREP-X	97-13-026	308-127-330	NEW-P	97-07-028
308-57-210	AMD	97-12-015	308-95-010	REP	97-17-062	308-127-330	NEW	97-10-051
308-57-220	REP-P	97-07-069	308-95-020	PREP-X	97-13-026	308-300-310	PREP	97-14-088
308-57-220	REP	97-12-015	308-95-020	REP	97-17-062	308-300-310	REP-P	97-21-150
308-57-230	AMD-P	97-07-069	308-95-030	PREP-X	97-13-026	308-300-310	REP-S	97-24-104
308-57-230	AMD	97-12-015	308-95-030	REP	97-17-062	308-300-310	REP-E	97-24-105
308-57-240	AMD-P	97-07-069	308-96A	PREP	97-12-067	308-312-010	NEW-P	97-21-150
308-57-240	AMD	97-12-015	308-96A	PREP	97-20-057	308-312-010	NEW-S	97-24-104
308-57-250	REP-P	97-07-069	308-96A	PREP	97-21-104	308-312-010	NEW-E	97-24-105
308-57-250	REP	97-12-015	308-96A-005	AMD-P	97-06-027	308-312-020	NEW-P	97-21-150
308-57-310	REP-P	97-07-069	308-96A-005	AMD	97-10-003	308-312-020	NEW-S	97-24-104
308-57-310	REP	97-12-015	308-96A-046	AMD-P	97-03-028	308-312-020	NEW-E	97-24-105
308-57-320	REP-P	97-07-069	308-96A-046	AMD	97-07-013	308-312-030	NEW-P	97-21-150
308-57-320	REP	97-12-015	308-96A-056	AMD-P	97-03-028	308-312-030	NEW-S	97-24-104
308-57-410	REP-P	97-07-069	308-96A-056	AMD	97-07-013	308-312-030	NEW-E	97-24-105
308-57-410	REP	97-12-015	308-96A-057	AMD-P	97-03-028	308-312-040	NEW-P	97-21-150
308-57-420	REP-P	97-07-069	308-96A-057	AMD	97-07-013	308-312-040	NEW-S	97-24-104
308-57-420	REP	97-12-015	308-96A-072	AMD-P	97-03-028	308-312-040	NEW-E	97-24-105
308-57-430	REP-P	97-07-069	308-96A-072	AMD	97-07-013	308-312-050	NEW-P	97-21-150
308-57-430	REP	97-12-015	308-96A-072	AMD-P	97-21-055	308-312-050	NEW-S	97-24-104
308-57-440	REP-P	97-07-069	308-96A-072	AMD	98-01-151	308-312-050	NEW-E	97-24-105
308-57-440	REP	97-12-015	308-96A-073	AMD	97-07-014	308-312-060	NEW-P	97-21-150
308-58-010	AMD-P	97-03-096	308-96A-074	AMD	97-07-014	308-312-060	NEW-S	97-24-104
308-58-010	AMD-S	97-08-005	308-96A-075	REP	97-07-014	308-312-060	NEW-E	97-24-105
308-58-010	AMD	97-11-049	308-96A-136	AMD-P	97-03-028	308-312-070	NEW-P	97-21-150
308-58-030	AMD-P	97-03-096	308-96A-136	AMD	97-07-013	308-312-070	NEW-W	97-24-103
308-58-030	AMD-S	97-08-005	308-96A-161	AMD-P	97-06-027	308-312-080	NEW-P	97-21-150
308-58-030	AMD	97-11-049	308-96A-161	AMD	97-10-003	308-312-080	NEW-S	97-24-104
308-58-040	AMD-P	97-03-096	308-96A-162	AMD-P	97-06-027	308-312-080	NEW-E	97-24-105
308-58-040	AMD-S	97-08-005	308-96A-162	AMD	97-10-003	308-312-090	NEW-P	97-21-150
308-58-040	AMD	97-11-049	308-96A-315	PREP-XR	97-19-041	308-312-090	NEW-S	97-24-104
308-58-050	NEW-P	97-03-096	308-96A-315	REP	98-01-020	308-312-090	NEW-E	97-24-105
308-58-050	NEW-S	97-08-005	308-96A-415	REP-P	97-21-055	308-312-100	NEW-S	97-24-104
308-58-050	NEW	97-11-049	308-96A-415	REP	98-01-151	308-312-100	NEW-E	97-24-105
308-61-108	PREP	97-20-108	308-96A-420	REP-P	97-21-055	308-330-121	REP-P	97-07-015
308-66-140	PREP	97-20-108	308-96A-420	REP	98-01-151	308-330-121	REP	97-10-068
308-72-506	PREP-X	97-13-026	308-96A-550	AMD-P	97-21-055	308-330-123	REP-P	97-07-015
308-72-506	REP	97-17-062	308-96A-550	AMD	98-01-151	308-330-123	REP	97-10-068
308-72-510	PREP-X	97-13-026	308-96A-560	AMD-P	97-21-055	308-330-197	AMD-P	97-07-015
308-72-510	REP	97-17-062	308-96A-560	AMD	98-01-151	308-330-197	AMD	97-10-068
308-72-543	PREP-X	97-13-026	308-124-021	AMD-P	97-21-051	308-330-200	AMD-P	97-07-015
308-72-543	REP	97-17-062	308-124-021	AMD	98-01-107	308-330-200	AMD	97-10-068
308-76-005	PREP-X	97-13-026	308-124-025	NEW-P	97-21-051	308-330-300	AMD-P	97-07-015
308-76-005	REP	97-17-062	308-124-025	NEW	98-01-107	308-330-300	AMD	97-10-068
308-76-400	PREP-X	97-13-026	308-124-035	NEW-P	97-21-051	308-330-305	AMD-P	97-07-015
308-76-400	REP	97-17-062	308-124-035	NEW	98-01-107	308-330-305	AMD	97-10-068
308-76-405	PREP-X	97-13-026	308-124-045	NEW-P	97-21-051	308-330-307	AMD-P	97-07-015
308-76-405	REP	97-17-062	308-124-045	NEW	98-01-107	308-330-307	AMD	97-10-068
308-76-410	PREP-X	97-13-026	308-124A-120	AMD-P	97-21-051	308-330-307	AMD-E	97-12-043
308-76-410	REP	97-17-062	308-124A-120	AMD	98-01-107	308-330-307	AMD-P	97-12-044
308-76-415	PREP-X	97-13-026	308-124A-200	AMD-P	97-21-051	308-330-307	AMD	97-16-041
308-76-415	REP	97-17-062	308-124A-200	AMD	98-01-107	308-330-316	AMD-P	97-07-015
308-76-420	PREP-X	97-13-026	308-124A-205	AMD-P	97-21-051	308-330-316	AMD	97-10-068
308-76-420	REP	97-17-062	308-124A-205	AMD	98-01-107	308-330-322	AMD-P	97-07-015
308-76-425	PREP-X	97-13-026	308-124C-030	AMD-P	97-21-051	308-330-322	AMD	97-10-068
308-76-425	REP	97-17-062	308-124C-030	AMD	98-01-107	308-330-329	REP-P	97-07-015
308-76-430	PREP-X	97-13-026	308-124D-061	AMD-P	97-21-051	308-330-329	REP	97-10-068
308-76-430	REP	97-17-062	308-124D-061	AMD	98-01-107	308-330-370	AMD-P	97-07-015

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308-330-370	AMD	97-10-068	315-11-630	PREP-X	97-14-016	315-11-753	REP	97-20-051
308-330-375	REP-P	97-07-015	315-11-630	REP	97-20-051	315-11-754	PREP-X	97-14-016
308-330-375	REP	97-10-068	315-11-631	PREP-X	97-14-016	315-11-754	REP	97-20-051
308-330-400	AMD-P	97-07-015	315-11-631	REP	97-20-051	315-11-755	PREP-X	97-14-016
308-330-400	AMD	97-10-068	315-11-632	PREP-X	97-14-016	315-11-755	REP	97-20-051
308-330-406	AMD-P	97-07-015	315-11-632	REP	97-20-051	315-11-760	PREP-X	97-14-016
308-330-406	AMD	97-10-068	315-11-640	PREP-X	97-14-016	315-11-760	REP	97-20-051
308-330-408	AMD-P	97-07-015	315-11-640	REP	97-20-051	315-11-761	PREP-X	97-14-016
308-330-408	AMD	97-10-068	315-11-641	PREP-X	97-14-016	315-11-761	REP	97-20-051
308-330-415	AMD-P	97-07-015	315-11-641	REP	97-20-051	315-11-762	PREP-X	97-14-016
308-330-415	AMD	97-10-068	315-11-642	PREP-X	97-14-016	315-11-762	REP	97-20-051
308-330-421	AMD-P	97-07-015	315-11-642	REP	97-20-051	315-11-770	PREP-X	97-14-016
308-330-421	AMD	97-10-068	315-11-650	PREP-X	97-14-016	315-11-770	REP	97-20-051
308-330-425	AMD-P	97-07-015	315-11-650	REP	97-20-051	315-11-771	PREP-X	97-14-016
308-330-425	AMD	97-10-068	315-11-651	PREP-X	97-14-016	315-11-771	REP	97-20-051
308-330-425	AMD-E	97-12-043	315-11-651	REP	97-20-051	315-11-772	PREP-X	97-14-016
308-330-425	AMD-P	97-12-044	315-11-652	PREP-X	97-14-016	315-11-772	REP	97-20-051
308-330-425	AMD	97-16-041	315-11-652	REP	97-20-051	315-11-780	PREP-X	97-14-016
308-330-436	AMD-P	97-07-015	315-11-660	PREP-X	97-14-016	315-11-780	REP	97-20-051
308-330-436	AMD	97-10-068	315-11-660	REP	97-20-051	315-11-781	PREP-X	97-14-016
308-330-462	AMD-P	97-07-015	315-11-661	PREP-X	97-14-016	315-11-781	REP	97-20-051
308-330-462	AMD	97-10-068	315-11-661	REP	97-20-051	315-11-782	PREP-X	97-14-016
308-330-800	AMD-P	97-07-015	315-11-662	PREP-X	97-14-016	315-11-782	REP	97-20-051
308-330-800	AMD	97-10-068	315-11-662	REP	97-20-051	315-11-790	PREP-X	97-14-016
308-330-825	AMD-P	97-07-015	315-11-670	PREP-X	97-14-016	315-11-790	REP	97-20-051
308-330-825	AMD	97-10-068	315-11-670	REP	97-20-051	315-11-791	PREP-X	97-14-016
308-420-250	NEW-P	97-07-034	315-11-671	PREP-X	97-14-016	315-11-791	REP	97-20-051
308-420-250	NEW	97-10-048	315-11-671	REP	97-20-051	315-11-792	PREP-X	97-14-016
308-420-260	NEW-P	97-07-034	315-11-672	PREP-X	97-14-016	315-11-792	REP	97-20-051
308-420-260	NEW	97-10-048	315-11-672	REP	97-20-051	315-11-800	PREP-X	97-14-016
308-420-270	NEW-P	97-07-034	315-11-680	PREP-X	97-14-016	315-11-800	REP	97-20-051
308-420-270	NEW	97-10-048	315-11-680	REP	97-20-051	315-11-801	PREP-X	97-14-016
314-60-040	PREP	97-13-070	315-11-681	PREP-X	97-14-016	315-11-801	REP	97-20-051
315-02	PREP	97-24-077	315-11-681	REP	97-20-051	315-11-802	PREP-X	97-14-016
315-04	PREP	97-24-077	315-11-682	PREP-X	97-14-016	315-11-802	REP	97-20-051
315-06	PREP	97-11-057	315-11-682	REP	97-20-051	315-11-810	PREP-X	97-14-016
315-06	PREP	97-16-116	315-11-690	PREP-X	97-14-016	315-11-810	REP	97-20-051
315-06-120	AMD-P	97-15-123	315-11-690	REP	97-20-051	315-11-811	PREP-X	97-14-016
315-06-120	AMD	97-20-052	315-11-691	PREP-X	97-14-016	315-11-811	REP	97-20-051
315-06-123	AMD-P	97-15-123	315-11-691	REP	97-20-051	315-11-812	PREP-X	97-14-016
315-06-123	AMD	97-20-052	315-11-692	PREP-X	97-14-016	315-11-812	REP	97-20-051
315-10	PREP	97-24-077	315-11-692	REP	97-20-051	315-11-820	PREP-X	97-14-016
315-10-010	AMD	97-04-047	315-11-703	PREP-X	97-14-016	315-11-820	REP	97-20-051
315-10-020	AMD	97-04-047	315-11-703	REP	97-20-051	315-11-821	PREP-X	97-14-016
315-10-022	NEW	97-04-047	315-11-704	PREP-X	97-14-016	315-11-821	REP	97-20-051
315-10-025	NEW	97-04-047	315-11-704	REP	97-20-051	315-11-822	PREP-X	97-14-016
315-10-030	AMD	97-04-047	315-11-705	PREP-X	97-14-016	315-11-822	REP	97-20-051
315-10-035	NEW	97-04-047	315-11-705	REP	97-20-051	315-11-830	PREP-X	97-14-016
315-10-055	NEW	97-04-047	315-11-710	PREP-X	97-14-016	315-11-830	REP	97-20-051
315-10-060	AMD	97-04-047	315-11-710	REP	97-20-051	315-11-831	PREP-X	97-14-016
315-10-062	NEW	97-04-047	315-11-711	PREP-X	97-14-016	315-11-831	REP	97-20-051
315-10-065	NEW	97-04-047	315-11-711	REP	97-20-051	315-11-832	PREP-X	97-14-016
315-10-070	AMD	97-04-047	315-11-712	PREP-X	97-14-016	315-11-832	REP	97-20-051
315-10-075	NEW	97-04-047	315-11-712	REP	97-20-051	315-11-840	PREP-X	97-14-016
315-11	PREP	97-24-077	315-11-720	PREP-X	97-14-016	315-11-840	REP	97-20-051
315-11-600	PREP-X	97-14-016	315-11-720	REP	97-20-051	315-11-841	PREP-X	97-14-016
315-11-600	REP	97-20-051	315-11-721	PREP-X	97-14-016	315-11-841	REP	97-20-051
315-11-601	PREP-X	97-14-016	315-11-721	REP	97-20-051	315-11-842	PREP-X	97-14-016
315-11-601	REP	97-20-051	315-11-722	PREP-X	97-14-016	315-11-842	REP	97-20-051
315-11-602	PREP-X	97-14-016	315-11-722	REP	97-20-051	315-11-850	PREP-X	97-14-016
315-11-602	REP	97-20-051	315-11-730	PREP-X	97-14-016	315-11-850	REP	97-20-051
315-11-610	PREP-X	97-14-016	315-11-730	REP	97-20-051	315-11-851	PREP-X	97-14-016
315-11-610	REP	97-20-051	315-11-731	PREP-X	97-14-016	315-11-851	REP	97-20-051
315-11-611	PREP-X	97-14-016	315-11-731	REP	97-20-051	315-11-852	PREP-X	97-14-016
315-11-611	REP	97-20-051	315-11-732	PREP-X	97-14-016	315-11-852	REP	97-20-051
315-11-612	PREP-X	97-14-016	315-11-732	REP	97-20-051	315-11-860	PREP-X	97-14-016
315-11-612	REP	97-20-051	315-11-740	PREP-X	97-14-016	315-11-860	REP	97-20-051
315-11-620	PREP-X	97-14-016	315-11-740	REP	97-20-051	315-11-861	PREP-X	97-14-016
315-11-620	REP	97-20-051	315-11-741	PREP-X	97-14-016	315-11-861	REP	97-20-051
315-11-621	PREP-X	97-14-016	315-11-741	REP	97-20-051	315-11-862	PREP-X	97-14-016
315-11-621	REP	97-20-051	315-11-742	PREP-X	97-14-016	315-11-862	REP	97-20-051
315-11-622	PREP-X	97-14-016	315-11-742	REP	97-20-051	315-11-870	PREP-X	97-14-016
315-11-622	REP	97-20-051	315-11-753	PREP-X	97-14-016	315-11-870	REP	97-20-051

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315-11-871	PREP-X	97-14-016	315-11-991	REP	97-20-051	315-11A-134	REP	97-20-051
315-11-871	REP	97-20-051	315-11-992	PREP-X	97-14-016	315-11A-135	PREP-X	97-14-016
315-11-872	PREP-X	97-14-016	315-11-992	REP	97-20-051	315-11A-135	REP	97-20-051
315-11-872	REP	97-20-051	315-11A	PREP	97-16-116	315-11A-136	PREP-X	97-14-016
315-11-880	PREP-X	97-14-016	315-11A-100	PREP-X	97-14-016	315-11A-136	REP	97-20-051
315-11-880	REP	97-20-051	315-11A-100	REP	97-20-051	315-11A-184	AMD-P	97-03-123
315-11-881	PREP-X	97-14-016	315-11A-101	PREP-X	97-14-016	315-11A-184	AMD	97-07-063
315-11-881	REP	97-20-051	315-11A-101	REP	97-20-051	315-11A-187	NEW-P	97-03-123
315-11-882	PREP-X	97-14-016	315-11A-102	PREP-X	97-14-016	315-11A-187	NEW	97-07-063
315-11-882	REP	97-20-051	315-11A-102	REP	97-20-051	315-11A-188	NEW-P	97-03-123
315-11-890	PREP-X	97-14-016	315-11A-103	PREP-X	97-14-016	315-11A-188	NEW	97-07-063
315-11-890	REP	97-20-051	315-11A-103	REP	97-20-051	315-11A-189	NEW-P	97-03-123
315-11-891	PREP-X	97-14-016	315-11A-104	PREP-X	97-14-016	315-11A-189	NEW	97-07-063
315-11-891	REP	97-20-051	315-11A-104	REP	97-20-051	315-11A-190	NEW-P	97-03-123
315-11-892	PREP-X	97-14-016	315-11A-105	PREP-X	97-14-016	315-11A-190	NEW	97-07-063
315-11-892	REP	97-20-051	315-11A-105	REP	97-20-051	315-11A-191	NEW-P	97-03-123
315-11-900	PREP-X	97-14-016	315-11A-106	PREP-X	97-14-016	315-11A-191	NEW	97-07-063
315-11-900	REP	97-20-051	315-11A-106	REP	97-20-051	315-11A-192	NEW-P	97-07-062
315-11-901	PREP-X	97-14-016	315-11A-107	PREP-X	97-14-016	315-11A-192	NEW	97-11-003
315-11-901	REP	97-20-051	315-11A-107	REP	97-20-051	315-11A-193	NEW-P	97-07-062
315-11-902	PREP-X	97-14-016	315-11A-108	PREP-X	97-14-016	315-11A-193	NEW	97-11-003
315-11-902	REP	97-20-051	315-11A-108	REP	97-20-051	315-11A-194	NEW-P	97-07-062
315-11-910	PREP-X	97-14-016	315-11A-109	PREP-X	97-14-016	315-11A-194	NEW	97-11-003
315-11-910	REP	97-20-051	315-11A-109	REP	97-20-051	315-11A-195	NEW-P	97-07-062
315-11-911	PREP-X	97-14-016	315-11A-110	PREP-X	97-14-016	315-11A-195	NEW	97-11-003
315-11-911	REP	97-20-051	315-11A-110	REP	97-20-051	315-11A-196	NEW-P	97-11-058
315-11-912	PREP-X	97-14-016	315-11A-111	PREP-X	97-14-016	315-11A-196	NEW	97-15-122
315-11-912	REP	97-20-051	315-11A-111	REP	97-20-051	315-11A-197	NEW-P	97-11-058
315-11-920	PREP-X	97-14-016	315-11A-112	PREP-X	97-14-016	315-11A-197	NEW	97-15-122
315-11-920	REP	97-20-051	315-11A-112	REP	97-20-051	315-11A-198	NEW-P	97-11-058
315-11-921	PREP-X	97-14-016	315-11A-113	PREP-X	97-14-016	315-11A-198	NEW	97-15-122
315-11-921	REP	97-20-051	315-11A-113	REP	97-20-051	315-11A-199	NEW-P	97-11-058
315-11-922	PREP-X	97-14-016	315-11A-114	PREP-X	97-14-016	315-11A-199	NEW	97-15-122
315-11-922	REP	97-20-051	315-11A-114	REP	97-20-051	315-11A-200	NEW-P	97-11-058
315-11-930	PREP-X	97-14-016	315-11A-115	PREP-X	97-14-016	315-11A-200	NEW	97-15-122
315-11-930	REP	97-20-051	315-11A-115	REP	97-20-051	315-11A-201	NEW-P	97-11-058
315-11-931	PREP-X	97-14-016	315-11A-116	PREP-X	97-14-016	315-11A-201	NEW	97-15-122
315-11-931	REP	97-20-051	315-11A-116	REP	97-20-051	315-11A-202	NEW-P	97-11-058
315-11-932	PREP-X	97-14-016	315-11A-117	PREP-X	97-14-016	315-11A-202	NEW	97-15-122
315-11-932	REP	97-20-051	315-11A-117	REP	97-20-051	315-11A-203	NEW-P	97-11-058
315-11-940	PREP-X	97-14-016	315-11A-118	PREP-X	97-14-016	315-11A-203	NEW	97-15-122
315-11-940	REP	97-20-051	315-11A-118	REP	97-20-051	315-11A-204	NEW-P	97-15-123
315-11-941	PREP-X	97-14-016	315-11A-119	PREP-X	97-14-016	315-11A-204	NEW	97-20-052
315-11-941	REP	97-20-051	315-11A-119	REP	97-20-051	315-11A-205	NEW-P	97-15-123
315-11-942	PREP-X	97-14-016	315-11A-120	PREP-X	97-14-016	315-11A-205	NEW	97-20-052
315-11-942	REP	97-20-051	315-11A-120	REP	97-20-051	315-11A-206	NEW-P	97-15-123
315-11-950	PREP-X	97-14-016	315-11A-121	PREP-X	97-14-016	315-11A-206	NEW	97-20-052
315-11-950	REP	97-20-051	315-11A-121	REP	97-20-051	315-11A-207	NEW-P	97-15-123
315-11-951	PREP-X	97-14-016	315-11A-122	PREP-X	97-14-016	315-11A-207	NEW	97-20-052
315-11-951	REP	97-20-051	315-11A-122	REP	97-20-051	315-11A-207	NEW-P	97-24-074
315-11-952	PREP-X	97-14-016	315-11A-123	PREP-X	97-14-016	315-11A-207	NEW-E	97-24-075
315-11-952	REP	97-20-051	315-11A-123	REP	97-20-051	315-11A-208	NEW-P	97-20-131
315-11-960	PREP-X	97-14-016	315-11A-124	PREP-X	97-14-016	315-11A-208	NEW	97-24-076
315-11-960	REP	97-20-051	315-11A-124	REP	97-20-051	315-11A-209	NEW-P	97-20-131
315-11-961	PREP-X	97-14-016	315-11A-125	PREP-X	97-14-016	315-11A-209	NEW	97-24-076
315-11-961	REP	97-20-051	315-11A-125	REP	97-20-051	315-11A-210	NEW-P	97-20-131
315-11-962	PREP-X	97-14-016	315-11A-126	PREP-X	97-14-016	315-11A-210	NEW	97-24-076
315-11-962	REP	97-20-051	315-11A-126	REP	97-20-051	315-11A-211	NEW-P	97-20-131
315-11-970	PREP-X	97-14-016	315-11A-127	PREP-X	97-14-016	315-11A-211	NEW	97-24-076
315-11-970	REP	97-20-051	315-11A-127	REP	97-20-051	315-11A-212	NEW-P	97-20-131
315-11-971	PREP-X	97-14-016	315-11A-128	PREP-X	97-14-016	315-11A-212	NEW	97-24-076
315-11-971	REP	97-20-051	315-11A-128	REP	97-20-051	315-11A-213	NEW-P	97-20-131
315-11-972	PREP-X	97-14-016	315-11A-129	PREP-X	97-14-016	315-11A-213	NEW	97-24-076
315-11-972	REP	97-20-051	315-11A-129	REP	97-20-051	315-11A-214	NEW-P	97-20-131
315-11-980	PREP-X	97-14-016	315-11A-130	PREP-X	97-14-016	315-11A-214	NEW	97-24-076
315-11-980	REP	97-20-051	315-11A-130	REP	97-20-051	315-11A-215	NEW-P	97-24-074
315-11-981	PREP-X	97-14-016	315-11A-131	PREP-X	97-14-016	315-11A-216	NEW-P	97-24-074
315-11-981	REP	97-20-051	315-11A-131	REP	97-20-051	315-11A-217	NEW-P	97-24-074
315-11-982	PREP-X	97-14-016	315-11A-132	PREP-X	97-14-016	315-12-020	AMD-P	97-03-123
315-11-982	REP	97-20-051	315-11A-132	REP	97-20-051	315-12-020	AMD	97-07-063
315-11-990	PREP-X	97-14-016	315-11A-133	PREP-X	97-14-016	315-12-030	PREP	97-07-061
315-11-990	REP	97-20-051	315-11A-133	REP	97-20-051	315-12-030	AMD-P	97-11-058
315-11-991	PREP-X	97-14-016	315-11A-134	PREP-X	97-14-016	315-12-030	AMD	97-15-122

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315-12-080	AMD-P	97-03-123	315-41-50110	REP	97-20-051	317-50-900	NEW-P	97-07-064
315-12-080	AMD	97-07-063	315-41-50120	PREP-X	97-14-016	317-50-900	NEW	97-10-096
315-12-090	AMD-P	97-03-123	315-41-50120	REP	97-20-051	326-02-034	AMD-P	97-09-094
315-12-090	AMD	97-07-063	315-41-50200	PREP-X	97-14-016	326-02-034	AMD	97-17-045
315-32-010	PREP-X	97-14-016	315-41-50200	REP	97-20-051	326-02-034	AMD-P	97-24-117
315-32-010	REP	97-20-051	315-41-50210	PREP-X	97-14-016	326-07-100	AMD-XA	97-24-116
315-32-020	PREP-X	97-14-016	315-41-50210	REP	97-20-051	326-30-041	PREP	97-09-093
315-32-020	REP	97-20-051	315-41-50220	PREP-X	97-14-016	326-30-041	AMD-P	97-13-067
315-32-030	PREP-X	97-14-016	315-41-50220	REP	97-20-051	326-30-041	AMD	97-16-073
315-32-030	REP	97-20-051	315-41-50300	PREP-X	97-14-016	332-24-205	AMD-XA	97-22-018
315-32-040	PREP-X	97-14-016	315-41-50300	REP	97-20-051	332-24-221	AMD-P	97-09-065
315-32-040	REP	97-20-051	315-41-50310	PREP-X	97-14-016	332-24-221	AMD	97-12-033
315-32-050	PREP-X	97-14-016	315-41-50310	REP	97-20-051	332-24-720	AMD	97-05-066
315-32-050	REP	97-20-051	315-41-50320	PREP-X	97-14-016	332-24-730	AMD	97-05-066
315-32-060	PREP-X	97-14-016	315-41-50320	REP	97-20-051	332-26-040	NEW-E	97-14-044
315-32-060	REP	97-20-051	315-41-50400	PREP-X	97-14-016	332-26-050	NEW-E	97-14-044
315-33-010	PREP-X	97-14-016	315-41-50400	REP	97-20-051	352-12	PREP	97-18-071
315-33-010	REP	97-20-051	315-41-50410	PREP-X	97-14-016	352-24	PREP	97-18-069
315-33-020	PREP-X	97-14-016	315-41-50410	REP	97-20-051	352-24-010	AMD-P	97-21-132
315-33-020	REP	97-20-051	315-41-50420	PREP-X	97-14-016	352-24-010	AMD	98-01-050
315-33-030	PREP-X	97-14-016	315-41-50420	REP	97-20-051	352-24-020	REP-P	97-21-132
315-33-030	REP	97-20-051	315-41-50500	PREP-X	97-14-016	352-24-020	REP	98-01-050
315-33-040	PREP-X	97-14-016	315-41-50500	REP	97-20-051	352-24-030	REP-P	97-21-132
315-33-040	REP	97-20-051	315-41-50510	PREP-X	97-14-016	352-24-030	REP	98-01-050
315-33-050	PREP-X	97-14-016	315-41-50510	REP	97-20-051	352-24-040	REP-P	97-21-132
315-33-050	REP	97-20-051	315-41-50520	PREP-X	97-14-016	352-24-040	REP	98-01-050
315-33-060	PREP-X	97-14-016	315-41-50520	REP	97-20-051	352-24-050	REP-P	97-21-132
315-33-060	REP	97-20-051	315-41-50600	PREP-X	97-14-016	352-24-050	REP	98-01-050
315-33-070	PREP-X	97-14-016	315-41-50600	REP	97-20-051	352-24-060	REP-P	97-21-132
315-33-070	REP	97-20-051	315-41-50610	PREP-X	97-14-016	352-24-060	REP	98-01-050
315-33B-010	PREP-X	97-14-016	315-41-50610	REP	97-20-051	352-24-070	REP-P	97-21-132
315-33B-010	REP	97-20-051	315-41-50620	PREP-X	97-14-016	352-24-070	REP	98-01-050
315-33B-020	PREP-X	97-14-016	315-41-50620	REP	97-20-051	352-24-080	REP-P	97-21-132
315-33B-020	REP	97-20-051	317-01-010	PREP-XR	97-20-047	352-24-080	REP	98-01-050
315-33B-030	PREP-X	97-14-016	317-01-020	PREP-XR	97-20-047	352-24-090	REP-P	97-21-132
315-33B-030	REP	97-20-051	317-01-030	PREP-XR	97-20-047	352-24-090	REP	98-01-050
315-33B-040	PREP-X	97-14-016	317-02-010	PREP-XR	97-20-047	352-24-100	REP-P	97-21-132
315-33B-040	REP	97-20-051	317-02-020	PREP-XR	97-20-047	352-24-100	REP	98-01-050
315-33B-050	PREP-X	97-14-016	317-02-030	PREP-XR	97-20-047	352-24-110	REP-P	97-21-132
315-33B-050	REP	97-20-051	317-02-040	PREP-XR	97-20-047	352-24-110	REP	98-01-050
315-33B-060	PREP-X	97-14-016	317-02-050	PREP-XR	97-20-047	352-24-120	REP-P	97-21-132
315-33B-060	REP	97-20-051	317-02-060	PREP-XR	97-20-047	352-24-120	REP	98-01-050
315-33B-070	PREP-X	97-14-016	317-02-070	PREP-XR	97-20-047	352-24-130	REP-P	97-21-132
315-33B-070	REP	97-20-051	317-02-080	PREP-XR	97-20-047	352-24-130	REP	98-01-050
315-34	PREP	97-11-057	317-02-090	PREP-XR	97-20-047	352-24-140	REP-P	97-21-132
315-34	PREP	97-16-116	317-02-100	PREP-XR	97-20-047	352-24-140	REP	98-01-050
315-34-040	AMD-P	97-15-123	317-02-110	PREP-XR	97-20-047	352-24-150	REP-P	97-21-132
315-34-040	AMD-W	97-20-054	317-02-120	PREP-XR	97-20-047	352-24-150	REP	98-01-050
315-34-040	AMD-P	97-20-131	317-03-010	PREP-XR	97-20-047	352-24-160	REP-P	97-21-132
315-34-040	AMD	97-24-076	317-03-020	PREP-XR	97-20-047	352-24-160	REP	98-01-050
315-34-050	AMD-P	97-20-131	317-31-200	AMD-P	97-07-065	352-24-170	REP-P	97-21-132
315-34-050	AMD	97-24-076	317-31-200	AMD	97-10-097	352-24-170	REP	98-01-050
315-34-055	NEW-P	97-20-131	317-31-220	AMD-P	97-07-065	352-24-180	REP-P	97-21-132
315-34-055	NEW	97-24-076	317-31-220	AMD	97-10-097	352-24-180	REP	98-01-050
315-40-010	PREP-X	97-14-016	317-31-230	AMD-P	97-07-065	352-24-190	REP-P	97-21-132
315-40-010	REP	97-20-051	317-31-230	AMD	97-10-097	352-24-190	REP	98-01-050
315-40-020	PREP-X	97-14-016	317-40	PREP	97-07-066	352-24-200	REP-P	97-21-132
315-40-020	REP	97-20-051	317-50-010	NEW-P	97-07-064	352-24-200	REP	98-01-050
315-40-030	PREP-X	97-14-016	317-50-010	NEW	97-10-096	352-24-210	REP-P	97-21-132
315-40-030	REP	97-20-051	317-50-020	NEW-P	97-07-064	352-24-210	REP	98-01-050
315-40-040	PREP-X	97-14-016	317-50-020	NEW	97-10-096	352-24-220	REP-P	97-21-132
315-40-040	REP	97-20-051	317-50-030	NEW-P	97-07-064	352-24-220	REP	98-01-050
315-40-050	PREP-X	97-14-016	317-50-030	NEW	97-10-096	352-24-230	REP-P	97-21-132
315-40-050	REP	97-20-051	317-50-040	NEW-P	97-07-064	352-24-230	REP	98-01-050
315-40-060	PREP-X	97-14-016	317-50-040	NEW	97-10-096	352-24-240	REP-P	97-21-132
315-40-060	REP	97-20-051	317-50-050	NEW-P	97-07-064	352-24-240	REP	98-01-050
315-40-070	PREP-X	97-14-016	317-50-050	NEW	97-10-096	352-24-250	REP-P	97-21-132
315-40-070	REP	97-20-051	317-50-060	NEW-P	97-07-064	352-24-250	REP	98-01-050
315-40-080	PREP-X	97-14-016	317-50-060	NEW	97-10-096	352-24-260	REP-P	97-21-132
315-40-080	REP	97-20-051	317-50-070	NEW-P	97-07-064	352-24-260	REP	98-01-050
315-41-50100	PREP-X	97-14-016	317-50-070	NEW	97-10-096	352-24-270	REP-P	97-21-132
315-41-50100	REP	97-20-051	317-50-080	NEW-P	97-07-064	352-24-270	REP	98-01-050
315-41-50110	PREP-X	97-14-016	317-50-080	NEW	97-10-096	352-24-280	REP-P	97-21-132

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352-24-280	REP	98-01-050	356-06-120	NEW-C	98-01-141	363-11-090	RECOD	97-08-042
352-32	PREP	97-18-070	356-10-030	AMD-P	97-08-089	363-11-100	RECOD	97-08-042
352-32-010	PREP	97-15-152	356-10-030	AMD-W	97-10-088	363-11-110	RECOD	97-08-042
352-32-010	AMD-P	97-18-080	356-14-010	AMD-P	97-12-079	363-11-120	RECOD	97-08-042
352-32-010	AMD	97-21-133	356-14-010	AMD-C	97-16-015	363-11-130	RECOD	97-08-042
352-32-010	AMD-P	97-23-089	356-14-010	AMD-W	97-22-062	363-11-140	RECOD	97-08-042
352-32-01001	NEW-P	97-23-089	356-14-069	NEW-P	97-12-079	363-11-150	RECOD	97-08-042
352-32-030	AMD-P	97-23-089	356-14-069	NEW-C	97-16-015	363-11-160	RECOD	97-08-042
352-32-037	AMD-P	97-23-089	356-14-069	NEW-W	97-22-062	363-11-170	RECOD	97-08-042
352-32-045	AMD-P	97-23-089	356-14-110	AMD-P	97-12-079	363-11-180	RECOD	97-08-042
352-32-047	AMD-P	97-23-089	356-14-110	AMD-C	97-16-015	363-11-190	RECOD	97-08-042
352-32-075	AMD-P	97-23-089	356-14-110	AMD-W	97-22-062	363-11-200	RECOD	97-08-042
352-32-080	AMD-P	97-23-089	356-14-120	AMD-P	97-12-079	363-11-210	RECOD	97-08-042
352-32-085	AMD-P	97-23-089	356-14-120	AMD-C	97-16-015	363-11-220	RECOD	97-08-042
352-32-120	AMD-P	97-23-089	356-14-120	AMD-W	97-22-062	363-11-230	RECOD	97-08-042
352-32-130	AMD-P	97-23-089	356-14-140	AMD-P	97-12-079	363-11-240	RECOD	97-08-042
352-32-140	AMD-P	97-23-089	356-14-140	AMD-C	97-16-015	363-11-250	RECOD	97-08-042
352-32-150	AMD-P	97-23-089	356-14-140	AMD-W	97-22-062	363-11-260	RECOD	97-08-042
352-32-165	AMD-P	97-23-089	356-14-160	AMD-P	97-12-079	363-11-270	RECOD	97-08-042
352-32-170	AMD-P	97-23-089	356-14-160	AMD-C	97-16-015	363-11-280	RECOD	97-08-042
352-32-195	AMD-P	97-23-089	356-14-160	AMD-W	97-22-062	363-11-290	RECOD	97-08-042
352-32-200	AMD-P	97-23-089	356-15-060	AMD-P	97-20-061	363-11-300	RECOD	97-08-042
352-32-210	PREP	97-15-152	356-15-060	AMD-C	97-24-042	363-11-310	RECOD	97-08-042
352-32-210	AMD-P	97-18-080	356-15-090	AMD-P	97-20-061	363-11-320	RECOD	97-08-042
352-32-210	AMD	97-21-133	356-15-090	AMD	97-24-038	363-11-330	RECOD	97-08-042
352-32-210	AMD-P	97-23-089	356-15-130	AMD-P	97-20-061	363-11-340	RECOD	97-08-042
352-32-215	NEW-P	97-23-089	356-15-130	AMD-P	97-20-062	363-11-350	RECOD	97-08-042
352-32-235	PREP	97-06-063	356-15-130	AMD-W	97-22-062	363-11-360	RECOD	97-08-042
352-32-235	AMD-P	97-09-081	356-15-130	AMD	97-24-038	363-11-370	RECOD	97-08-042
352-32-235	AMD-W	97-09-113	356-26-030	AMD-P	97-16-014	363-11-380	RECOD	97-08-042
352-32-235	AMD-P	97-09-114	356-26-030	AMD-W	97-22-062	363-11-390	RECOD	97-08-042
352-32-235	AMD	97-12-042	356-30-065	AMD-E	97-09-028	363-11-400	RECOD	97-08-042
352-32-250	PREP	97-15-152	356-30-065	AMD-P	97-10-090	363-11-410	RECOD	97-08-042
352-32-250	AMD-P	97-18-080	356-30-065	AMD-W	97-13-044	363-11-420	RECOD	97-08-042
352-32-250	AMD	97-21-133	356-30-065	AMD-P	97-16-013	363-11-430	RECOD	97-08-042
352-32-25001	AMD-P	97-23-089	356-30-065	AMD	97-19-044	363-11-440	RECOD	97-08-042
352-32-25002	AMD-P	97-23-089	356-30-067	AMD-E	97-09-028	363-11-450	RECOD	97-08-042
352-32-251	AMD-P	97-18-080	356-30-067	AMD-P	97-10-090	363-11-460	RECOD	97-08-042
352-32-251	AMD	97-21-133	356-30-067	AMD-W	97-13-044	363-11-470	RECOD	97-08-042
352-32-251	AMD-P	97-23-089	356-30-067	AMD-P	97-16-013	363-11-480	RECOD	97-08-042
352-32-252	PREP	97-15-152	356-30-067	AMD	97-19-044	363-11-490	RECOD	97-08-042
352-32-252	AMD-P	97-23-089	356-30-330	AMD-P	97-12-079	363-11-500	RECOD	97-08-042
352-32-270	PREP	97-15-113	356-30-330	AMD-C	97-16-015	363-11-510	RECOD	97-08-042
352-32-270	AMD-P	97-18-080	356-30-330	AMD-W	97-22-062	363-11-520	RECOD	97-08-042
352-32-270	AMD	97-21-133	356-34-020	AMD-P	97-12-079	363-11-530	RECOD	97-08-042
352-32-300	AMD-P	97-23-089	356-34-020	AMD-C	97-16-015	363-11-540	RECOD	97-08-042
352-32-330	AMD-P	97-23-089	356-34-020	AMD-W	97-22-062	363-11-550	RECOD	97-08-042
352-60	PREP	97-24-111	356-56-035	AMD-P	97-20-119	363-11-560	RECOD	97-08-042
352-64	PREP	97-24-110	356-56-035	AMD	97-23-001	363-11-570	RECOD	97-08-042
352-65	PREP	97-24-109	356-56-115	AMD-P	97-14-100	363-11-580	RECOD	97-08-042
352-76	PREP	97-20-080	356-56-115	AMD	97-17-041	363-11-590	RECOD	97-08-042
356-05-055	AMD-P	97-08-089	356-56-205	AMD-P	97-14-100	363-116-010	RECOD	97-08-042
356-05-055	AMD-W	97-10-088	356-56-205	AMD	97-17-041	363-116-020	RECOD	97-08-042
356-05-075	AMD-P	97-12-079	356-56-550	AMD-P	97-14-100	363-116-030	RECOD	97-08-042
356-05-075	AMD-C	97-16-015	356-56-550	AMD	97-17-041	363-116-050	RECOD	97-08-042
356-05-075	AMD-W	97-22-062	359-07	AMD-P	97-20-064	363-116-060	RECOD	97-08-042
356-05-390	AMD-P	97-20-065	359-07	AMD	97-24-043	363-116-070	RECOD	97-08-042
356-05-390	AMD-W	97-24-036	359-09	AMD-P	97-20-064	363-116-075	RECOD	97-08-042
356-05-390	AMD-P	98-01-139	359-09	AMD	97-24-043	363-116-080	RECOD	97-08-042
356-05-422	NEW-P	97-12-079	359-39	AMD-P	97-20-064	363-116-081	RECOD	97-08-042
356-05-422	NEW-C	97-16-015	359-39	AMD	97-24-043	363-116-082	RECOD	97-08-042
356-05-422	NEW-W	97-22-062	359-48	AMD-P	97-20-064	363-116-082	AMD-P	97-10-084
356-06-020	AMD-P	97-08-089	359-48	AMD	97-24-043	363-116-082	AMD	97-14-032
356-06-020	AMD-W	97-10-088	363-11-001	RECOD	97-08-042	363-116-082	AMD-E	97-24-090
356-06-060	AMD-P	97-08-089	363-11-003	RECOD	97-08-042	363-116-083	RECOD	97-08-042
356-06-060	AMD-W	97-10-088	363-11-010	RECOD	97-08-042	363-116-085	RECOD	97-08-042
356-06-070	REP-P	97-08-089	363-11-020	RECOD	97-08-042	363-116-110	RECOD	97-08-042
356-06-070	REP-W	97-10-088	363-11-030	RECOD	97-08-042	363-116-115	RECOD	97-08-042
356-06-080	REP-P	97-08-089	363-11-040	RECOD	97-08-042	363-116-120	RECOD	97-08-042
356-06-080	REP-W	97-10-088	363-11-050	RECOD	97-08-042	363-116-140	RECOD	97-08-042
356-06-090	REP-P	97-08-089	363-11-060	RECOD	97-08-042	363-116-150	RECOD	97-08-042
356-06-090	REP-W	97-10-088	363-11-070	RECOD	97-08-042	363-116-170	RECOD	97-08-042
356-06-120	NEW-P	97-24-037	363-11-080	RECOD	97-08-042	363-116-175	RECOD	97-08-042

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363-116-185	AMD-P	97-10-062	374-50-040	PREP-XR	97-19-054	388-11-425	AMD	97-16-037
363-116-185	AMD	97-15-120	374-50-040	REP	98-01-053	388-11-430	AMD-P	97-13-087
363-116-200	RECOD	97-08-042	374-50-050	PREP-XR	97-19-054	388-11-430	AMD	97-16-037
363-116-205	RECOD	97-08-042	374-50-050	REP	98-01-053	388-14-020	AMD-P	97-09-020
363-116-2051	RECOD	97-08-042	374-50-060	PREP-XR	97-19-054	388-14-020	AMD	97-13-092
363-116-300	RECOD	97-08-042	374-50-060	REP	98-01-053	388-14-030	AMD-P	97-09-020
363-116-300	AMD	97-12-017	374-50-070	PREP-XR	97-19-054	388-14-030	PREP	97-09-110
363-116-315	RECOD	97-08-042	374-50-070	REP	98-01-053	388-14-030	AMD-W	97-10-082
363-116-35001	RECOD	97-08-042	374-50-080	PREP-XR	97-19-054	388-14-030	AMD-P	97-15-085
363-116-360	RECOD	97-08-042	374-50-080	REP	98-01-053	388-14-030	AMD	97-18-075
363-116-360	AMD	97-12-018	374-50-090	PREP-XR	97-19-054	388-14-035	NEW-P	97-15-085
363-116-370	RECOD	97-08-042	374-50-090	REP	98-01-053	388-14-035	NEW	97-18-075
363-116-400	RECOD	97-08-042	374-70-020	AMD-P	97-03-113	388-14-040	NEW-P	97-15-085
363-116-410	RECOD	97-08-042	374-70-020	AMD	97-06-080	388-14-040	NEW	97-18-075
363-116-420	RECOD	97-08-042	374-70-020	AMD-E	97-07-049	388-14-045	NEW-P	97-15-085
363-116-500	RECOD	97-08-042	374-70-030	AMD-P	97-03-113	388-14-045	NEW	97-18-075
365	PREP	98-01-133	374-70-030	AMD	97-06-080	388-14-050	NEW-P	97-15-085
365-06-010	PREP-XR	97-20-036	374-70-030	AMD-E	97-07-049	388-14-050	NEW	97-18-075
365-06-020	PREP-XR	97-20-036	374-70-060	AMD-P	97-03-113	388-14-200	AMD-E	97-20-112
365-40-010	AMD-P	97-15-106	374-70-060	AMD	97-06-080	388-14-200	AMD-P	98-01-170
365-40-010	AMD	97-21-005	374-70-060	AMD-E	97-07-049	388-14-201	NEW-E	97-20-112
365-40-020	AMD-P	97-15-106	374-70-070	AMD-P	97-03-113	388-14-201	NEW-P	98-01-170
365-40-020	AMD	97-21-005	374-70-070	AMD	97-06-080	388-14-202	NEW-E	97-20-112
365-40-041	AMD-P	97-15-106	374-70-070	AMD-E	97-07-049	388-14-202	NEW-P	98-01-170
365-40-041	AMD	97-21-005	374-70-080	AMD-P	97-03-113	388-14-260	AMD-P	97-09-020
365-40-051	AMD-P	97-15-106	374-70-080	AMD	97-06-080	388-14-260	AMD	97-13-092
365-40-051	AMD	97-21-005	374-70-080	AMD-E	97-07-049	388-14-270	AMD-P	97-09-020
365-40-071	AMD-P	97-15-106	374-70-090	AMD-P	97-03-113	388-14-270	AMD	97-13-092
365-40-071	AMD	97-21-005	374-70-090	AMD	97-06-080	388-14-270	AMD-E	97-20-112
365-60-010	PREP-XR	97-20-037	374-70-090	AMD-E	97-07-049	388-14-270	AMD-P	98-01-170
365-60-020	PREP-XR	97-20-037	374-70-100	AMD-P	97-03-113	388-14-271	NEW-P	97-09-020
365-90-010	REP-P	97-15-107	374-70-100	AMD	97-06-080	388-14-271	NEW	97-13-092
365-90-010	REP	97-21-006	374-70-100	AMD-E	97-07-049	388-14-272	NEW-P	97-09-020
365-90-020	REP-P	97-15-107	374-70-110	REP-P	97-03-113	388-14-272	NEW	97-13-092
365-90-020	REP	97-21-006	374-70-110	REP	97-06-080	388-14-274	NEW-P	97-09-020
365-90-040	REP-P	97-15-107	374-70-110	REP-E	97-07-049	388-14-274	NEW	97-13-092
365-90-040	REP	97-21-006	374-70-120	AMD-P	97-03-113	388-14-275	PREP	97-15-131
365-90-080	REP-P	97-15-107	374-70-120	AMD	97-06-080	388-14-275	REP-P	97-19-102
365-90-080	REP	97-21-006	374-70-120	AMD-E	97-07-049	388-14-275	REP	98-01-125
365-90-090	REP-P	97-15-107	374-70-130	AMD-P	97-03-113	388-14-276	NEW-P	97-09-020
365-90-090	REP	97-21-006	374-70-130	AMD	97-06-080	388-14-276	NEW	97-13-092
365-135-010	AMD	97-02-093	374-70-130	AMD-E	97-07-049	388-14-300	NEW-P	97-09-020
365-135-020	AMD	97-02-093	374-80-010	NEW-P	97-15-111	388-14-300	AMD	97-13-092
365-135-035	NEW	97-02-093	374-80-010	NEW	97-20-094	388-14-375	NEW-P	97-09-020
365-135-040	AMD	97-02-093	374-80-020	NEW-P	97-15-111	388-14-376	NEW	97-13-092
365-135-050	AMD	97-02-093	374-80-020	NEW	97-20-094	388-14-385	AMD-P	97-09-020
365-135-060	AMD	97-02-093	374-80-030	NEW-P	97-15-111	388-14-385	AMD	97-13-092
365-135-070	AMD	97-02-093	374-80-030	NEW	97-20-094	388-14-390	AMD-P	97-09-020
365-300-010	DECOD	98-01-064	374-80-040	NEW-P	97-15-111	388-14-390	AMD	97-13-092
365-300-020	DECOD	98-01-064	374-80-040	NEW	97-20-094	388-14-400	REP-P	97-09-020
365-300-030	DECOD	98-01-064	374-80-050	NEW-P	97-15-111	388-14-400	REP	97-13-092
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365-300-050	DECOD	98-01-064	374-80-060	NEW-P	97-15-111	388-14-405	REP	97-13-092
365-300-060	DECOD	98-01-064	374-80-060	NEW	97-20-094	388-14-415	AMD-P	97-09-020
365-300-070	DECOD	98-01-064	380-10-010	PREP-XR	97-21-001	388-14-415	AMD	97-13-092
365-300-081	DECOD	98-01-064	380-10-010	REP	98-01-114	388-14-420	AMD-P	97-09-020
365-300-090	DECOD	98-01-064	388-11	PREP	97-09-109	388-14-420	AMD	97-13-092
371-08-310	AMD-E	97-12-003	388-11-032	PREP	97-09-111	388-14-425	REP-P	97-09-020
371-08-310	AMD-P	97-15-056	388-11-045	PREP	97-09-111	388-14-425	REP	97-13-092
371-08-310	AMD	97-19-064	388-11-048	PREP	97-09-111	388-14-430	REP-P	97-09-020
371-08-335	AMD-E	97-12-003	388-11-285	AMD-P	97-09-019	388-14-430	REP	97-13-092
371-08-335	AMD-P	97-15-056	388-11-285	AMD-W	97-10-083	388-14-435	AMD-P	97-09-020
371-08-335	AMD	97-19-064	388-11-400	AMD-P	97-13-087	388-14-435	AMD	97-13-092
371-08-555	AMD-P	97-15-056	388-11-400	AMD	97-16-037	388-14-440	AMD-P	97-09-020
371-08-555	AMD	97-19-064	388-11-405	REP-P	97-13-087	388-14-440	AMD	97-13-092
374-50-010	PREP-XR	97-19-054	388-11-405	REP	97-16-037	388-14-445	AMD-P	97-09-020
374-50-010	REP	98-01-053	388-11-410	AMD-P	97-13-087	388-14-445	AMD	97-13-092
374-50-020	PREP-XR	97-19-054	388-11-410	AMD	97-16-037	388-14-450	AMD-P	97-09-020
374-50-020	REP	98-01-053	388-11-415	AMD-P	97-13-087	388-14-450	AMD	97-13-092
374-50-030	PREP-XR	97-19-054	388-11-415	AMD	97-16-037	388-14-460	AMD-P	97-09-020
374-50-030	REP	98-01-053	388-11-420	AMD-P	97-13-087	388-14-460	AMD	97-13-092
374-50-035	PREP-XR	97-19-054	388-11-420	AMD	97-16-037	388-14-495	NEW-P	97-09-020

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388-14-496	NEW-P	97-09-020	388-49-160	AMD	97-09-030	388-52-172	REP-P	97-19-102
388-14-496	NEW	97-13-092	388-49-190	AMD-P	97-06-097	388-52-172	REP	98-01-125
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388-15	PREP	97-20-121	388-49-190	AMD	97-16-045	388-55-030	AMD	97-20-128
388-15	PREP	97-23-081	388-49-310	AMD	97-06-074	388-61-001	NEW-P	97-17-089
388-15-010	PREP	97-15-131	388-49-310	AMD-P	97-09-107	388-61-001	NEW	97-20-124
388-15-010	REP-P	97-19-102	388-49-310	AMD	97-12-025	388-61-001	AMD-P	97-24-080
388-15-010	REP	98-01-125	388-49-310	AMD-E	97-18-057	388-61-010	NEW-P	97-17-089
388-15-020	PREP	97-15-131	388-49-310	AMD-P	97-18-058	388-61-010	NEW-W	97-20-132
388-15-020	REP-P	97-19-102	388-49-310	AMD	97-22-042	388-61-020	NEW-P	97-17-089
388-15-020	REP	98-01-125	388-49-355	NEW	97-03-035	388-61-020	NEW-W	97-20-132
388-15-030	PREP	97-24-106	388-49-360	AMD-E	97-05-052	388-70-064	REP-P	97-19-102
388-15-110	PREP	97-15-131	388-49-360	AMD-P	97-05-053	388-70-064	REP	98-01-125
388-15-110	REP-P	97-19-102	388-49-360	AMD	97-09-012	388-70-160	REP-P	97-19-102
388-15-110	REP	98-01-125	388-49-360	AMD-E	97-17-020	388-70-160	REP	98-01-125
388-15-120	AMD-P	97-11-083	388-49-360	AMD-P	97-17-021	388-71-005	REP-P	97-22-093
388-15-120	AMD	97-21-108	388-49-362	NEW-E	97-05-052	388-71-005	REP	98-01-149
388-15-134	AMD-P	97-09-106	388-49-362	NEW-P	97-05-053	388-71-010	REP-P	97-22-093
388-15-134	AMD	97-13-002	388-49-362	NEW	97-09-012	388-71-010	REP	98-01-149
388-15-170	AMD-E	97-22-048	388-49-364	NEW-E	97-05-052	388-71-015	REP-P	97-22-093
388-15-170	PREP	98-01-128	388-49-364	NEW-P	97-05-053	388-71-015	REP	98-01-149
388-15-190	PREP-X	97-14-071	388-49-364	NEW	97-09-012	388-71-020	REP-P	97-22-093
388-15-190	REP	97-18-052	388-49-366	NEW-E	97-05-052	388-71-020	REP	98-01-149
388-15-192	PREP-X	97-14-071	388-49-366	NEW-P	97-05-053	388-71-025	REP-P	97-22-093
388-15-192	REP	97-18-052	388-49-366	NEW	97-09-012	388-71-025	REP	98-01-149
388-15-196	PREP	97-08-072	388-49-368	NEW-E	97-05-052	388-71-030	REP-P	97-22-093
388-15-196	AMD-P	97-13-090	388-49-368	NEW-P	97-05-053	388-71-030	REP	98-01-149
388-15-196	AMD	97-16-106	388-49-368	NEW	97-09-012	388-71-035	REP-P	97-22-093
388-15-201	NEW-P	97-24-081	388-49-369	NEW-E	97-05-052	388-71-035	REP	98-01-149
388-15-202	PREP	97-14-072	388-49-369	NEW-P	97-05-053	388-71-040	REP-P	97-22-093
388-15-202	AMD-P	97-17-091	388-49-369	NEW	97-09-012	388-71-040	REP	98-01-149
388-15-202	AMD	97-20-066	388-49-380	AMD-E	97-05-052	388-71-045	REP-P	97-22-093
388-15-209	AMD-P	97-24-081	388-49-380	AMD-P	97-05-053	388-71-045	REP	98-01-149
388-15-215	REP-P	97-24-081	388-49-380	AMD	97-09-012	388-71-050	REP-P	97-22-093
388-15-222	AMD-P	97-24-081	388-49-380	AMD-E	97-17-020	388-71-050	REP	98-01-149
388-15-300	REP-P	97-23-082	388-49-380	AMD-P	97-17-021	388-71-055	REP-P	97-22-093
388-15-310	REP-P	97-23-082	388-49-385	NEW-E	97-05-052	388-71-055	REP	98-01-149
388-15-320	REP-P	97-23-082	388-49-385	NEW-P	97-05-053	388-73-400	REP-P	97-19-102
388-15-330	REP-P	97-23-082	388-49-385	NEW	97-09-012	388-73-400	REP	98-01-125
388-15-340	REP-P	97-19-102	388-49-385	AMD-E	97-17-020	388-73-402	REP-P	97-19-102
388-15-340	REP	98-01-125	388-49-385	AMD-P	97-17-021	388-73-402	REP	98-01-125
388-15-500	PREP	97-15-131	388-49-470	AMD	97-05-002	388-73-403	REP-P	97-19-102
388-15-500	REP-P	97-19-102	388-49-505	AMD-P	97-15-086	388-73-403	REP	98-01-125
388-15-500	REP	98-01-125	388-49-505	AMD	97-18-086	388-73-404	REP-P	97-19-102
388-15-550	PREP	97-15-131	388-49-510	AMD-E	97-20-015	388-73-404	REP	98-01-125
388-15-550	REP-P	97-19-102	388-49-510	AMD-P	97-24-079	388-73-406	REP-P	97-19-102
388-15-550	REP	98-01-125	388-49-550	AMD-E	97-20-113	388-73-406	REP	98-01-125
388-15-580	PREP	97-15-131	388-49-560	REP-E	97-20-113	388-73-408	REP-P	97-19-102
388-15-580	REP-P	97-19-102	388-49-570	REP-E	97-20-113	388-73-408	REP	98-01-125
388-15-580	REP	98-01-125	388-49-580	REP-E	97-20-113	388-73-409	REP-P	97-19-102
388-15-610	AMD-P	97-24-081	388-49-640	AMD	97-04-024	388-73-409	REP	98-01-125
388-15-830	AMD-P	97-24-081	388-49-670	AMD	97-04-023	388-73-410	REP-P	97-19-102
388-15-880	AMD-P	97-24-081	388-50-010	NEW-P	97-17-098	388-73-410	REP	98-01-125
388-15-890	AMD-P	97-24-081	388-52-150	PREP	97-15-131	388-73-412	REP-P	97-19-102
388-15-895	NEW-P	97-24-081	388-52-150	REP-P	97-19-102	388-73-412	REP	98-01-125
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388-21-005	REP-P	97-19-102	388-52-155	PREP	97-15-131	388-73-414	REP	98-01-125
388-21-005	REP	98-01-125	388-52-155	REP-P	97-19-102	388-73-430	REP-P	97-19-102
388-43-100	REP-P	97-19-102	388-52-155	REP	98-01-125	388-73-430	REP	98-01-125
388-43-100	REP	98-01-125	388-52-160	PREP	97-15-131	388-73-432	REP-P	97-19-102
388-43-120	REP-P	97-19-102	388-52-160	REP-P	97-19-102	388-73-432	REP	98-01-125
388-43-120	REP	98-01-125	388-52-160	REP	98-01-125	388-73-434	REP-P	97-19-102
388-45-010	NEW-E	97-18-051	388-52-163	PREP	97-15-131	388-73-434	REP	98-01-125
388-45-010	NEW	97-20-124	388-52-163	REP-P	97-19-102	388-73-436	REP-P	97-19-102
388-46-110	AMD-P	97-05-070	388-52-163	REP	98-01-125	388-73-436	REP	98-01-125
388-46-110	AMD	97-10-038	388-52-166	PREP	97-15-131	388-73-438	REP-P	97-19-102
388-46-120	NEW-P	97-05-070	388-52-166	REP-P	97-19-102	388-73-438	REP	98-01-125
388-46-120	NEW	97-10-038	388-52-166	REP	98-01-125	388-73-440	REP-P	97-19-102
388-49-020	AMD	97-06-096	388-52-169	PREP	97-15-131	388-73-440	REP	98-01-125
388-49-020	AMD-P	97-13-089	388-52-169	REP-P	97-19-102	388-76	PREP	97-12-047
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388-76-030	REP-P	97-18-087	388-76-665	AMD-P	97-18-087	388-87-072	REP	98-01-125
388-76-040	REP-P	97-18-087	388-76-670	AMD-P	97-18-087	388-87-115	REP-P	97-19-102
388-76-045	REP-P	97-18-087	388-76-675	AMD-P	97-18-087	388-87-115	REP	98-01-125
388-76-050	REP-P	97-18-087	388-76-680	AMD-P	97-18-087	388-96-010	PREP	97-06-072
388-76-060	REP-P	97-18-087	388-76-685	AMD-P	97-18-087	388-96-010	AMD-P	97-12-082
388-76-070	REP-P	97-18-087	388-76-690	AMD-P	97-18-087	388-96-010	AMD	97-17-040
388-76-080	REP-P	97-18-087	388-76-695	AMD-P	97-18-087	388-96-220	PREP	97-06-072
388-76-085	REP-P	97-18-087	388-76-705	AMD-P	97-18-087	388-96-221	PREP	97-06-072
388-76-090	REP-P	97-18-087	388-76-765	AMD-P	97-18-087	388-96-224	PREP	97-06-072
388-76-095	REP-P	97-18-087	388-76-9970	NEW-P	97-15-132	388-96-224	AMD-P	97-12-082
388-76-100	REP-P	97-18-087	388-76-9970	NEW	97-18-089	388-96-224	AMD	97-17-040
388-76-110	REP-P	97-18-087	388-76-9972	NEW-P	97-15-132	388-96-505	PREP	97-06-072
388-76-130	REP-P	97-18-087	388-76-9972	NEW	97-18-089	388-96-505	AMD-P	97-12-082
388-76-140	REP-P	97-18-087	388-76-9974	NEW-P	97-15-132	388-96-505	AMD	97-17-040
388-76-155	REP-P	97-18-087	388-76-9974	NEW	97-18-089	388-96-534	PREP	97-06-072
388-76-160	REP-P	97-18-087	388-76-9976	NEW-P	97-15-132	388-96-534	AMD-P	97-12-082
388-76-170	REP-P	97-18-087	388-76-9976	NEW	97-18-089	388-96-534	AMD	97-17-040
388-76-180	REP-P	97-18-087	388-76-9978	NEW-P	97-15-132	388-96-553	PREP	97-06-072
388-76-185	REP-P	97-18-087	388-76-9978	NEW	97-18-089	388-96-553	AMD-P	97-12-082
388-76-190	REP-P	97-18-087	388-76-9978	NEW	97-18-089	388-96-553	AMD	97-17-040
388-76-200	REP-P	97-18-087	388-76-9980	NEW	97-18-089	388-96-554	PREP	97-06-072
388-76-220	REP-P	97-18-087	388-78-005	PREP	97-15-131	388-96-554	AMD-P	97-12-082
388-76-240	REP-P	97-18-087	388-78-005	REP-P	97-19-102	388-96-554	AMD	97-17-040
388-76-250	REP-P	97-18-087	388-78-005	REP	98-01-125	388-96-559	PREP	97-06-072
388-76-260	REP-P	97-18-087	388-78-010	PREP	97-15-131	388-96-559	AMD-P	97-12-082
388-76-280	REP-P	97-18-087	388-78-010	REP-P	97-19-102	388-96-559	AMD	97-17-040
388-76-290	REP-P	97-18-087	388-78-010	REP	98-01-125	388-96-565	PREP	97-06-072
388-76-300	REP-P	97-18-087	388-78-015	PREP	97-15-131	388-96-565	AMD-P	97-12-082
388-76-310	REP-P	97-18-087	388-78-015	REP-P	97-19-102	388-96-565	AMD	97-17-040
388-76-320	REP-P	97-18-087	388-78-015	REP	98-01-125	388-96-585	PREP	97-06-072
388-76-325	REP-P	97-18-087	388-78-020	PREP	97-15-131	388-96-585	AMD-P	97-12-082
388-76-330	REP-P	97-18-087	388-78-020	REP-P	97-19-102	388-96-585	AMD	97-17-040
388-76-340	REP-P	97-18-087	388-78-020	REP	98-01-125	388-96-709	PREP	97-06-072
388-76-350	REP-P	97-18-087	388-78-100	PREP	97-15-131	388-96-709	AMD-P	97-12-082
388-76-360	REP-P	97-18-087	388-78-100	REP-P	97-19-102	388-96-709	AMD	97-17-040
388-76-370	REP-P	97-18-087	388-78-100	REP	98-01-125	388-96-719	AMD-P	97-12-082
388-76-380	REP-P	97-18-087	388-78-120	PREP	97-15-131	388-96-719	AMD	97-17-040
388-76-390	REP-P	97-18-087	388-78-120	REP-P	97-19-102	388-96-735	AMD-P	97-12-082
388-76-400	REP-P	97-18-087	388-78-120	REP	98-01-125	388-96-735	AMD	97-17-040
388-76-405	REP-P	97-18-087	388-78-205	PREP	97-15-131	388-96-745	PREP	97-06-072
388-76-410	REP-P	97-18-087	388-78-205	REP-P	97-19-102	388-96-745	AMD-P	97-12-082
388-76-420	REP-P	97-18-087	388-78-205	REP	98-01-125	388-96-745	AMD	97-17-040
388-76-430	REP-P	97-18-087	388-78-210	PREP	97-15-131	388-96-754	AMD-P	97-12-082
388-76-435	REP-P	97-18-087	388-78-210	REP-P	97-19-102	388-96-754	AMD	97-17-040
388-76-440	REP-P	97-18-087	388-78-210	REP	98-01-125	388-96-774	AMD-P	97-12-082
388-76-450	REP-P	97-18-087	388-78-215	PREP	97-15-131	388-96-774	AMD	97-17-040
388-76-460	REP-P	97-18-087	388-78-215	REP-P	97-19-102	388-96-776	PREP	97-06-072
388-76-465	REP-P	97-18-087	388-78-215	REP	98-01-125	388-96-776	AMD-P	97-12-082
388-76-470	REP-P	97-18-087	388-78-220	PREP	97-15-131	388-96-776	AMD	97-17-040
388-76-475	REP-P	97-18-087	388-78-220	REP-P	97-19-102	388-97-027	PREP	97-06-131
388-76-480	REP-P	97-18-087	388-78-220	REP	98-01-125	388-97-235	PREP	97-20-121
388-76-490	REP-P	97-18-087	388-86-030	PREP	98-01-167	388-97-235	AMD-P	97-24-081
388-76-500	REP-P	97-18-087	388-86-047	PREP	98-01-189	388-110-110	PREP	97-11-043
388-76-520	REP-P	97-18-087	388-86-050	REP-P	97-19-102	388-110-110	AMD-P	97-15-134
388-76-530	REP-P	97-18-087	388-86-050	REP	98-01-125	388-110-110	AMD	97-19-020
388-76-540	AMD-P	97-18-087	388-86-051	REP-P	97-19-102	388-155-005	PREP	97-14-073
388-76-550	AMD-P	97-18-087	388-86-051	REP	98-01-125	388-155-010	PREP	97-14-073
388-76-560	AMD-P	97-18-087	388-86-075	REP-P	97-19-102	388-155-020	PREP	97-14-073
388-76-561	NEW-P	97-20-114	388-86-075	REP	98-01-125	388-155-040	PREP	97-14-073
388-76-570	AMD-P	97-18-087	388-86-090	REP-P	97-19-102	388-155-050	PREP	97-14-073
388-76-590	AMD-P	97-18-087	388-86-090	REP-W	97-21-081	388-155-060	PREP	97-14-073
388-76-590	AMD-P	97-20-114	388-86-112	REP-P	97-19-102	388-155-070	PREP	97-14-073
388-76-595	AMD-P	97-18-087	388-86-112	REP-W	97-22-092	388-155-080	PREP	97-14-073
388-76-600	AMD-P	97-20-114	388-87-013	REP-P	97-19-102	388-155-085	PREP	97-14-073
388-76-605	AMD-P	97-18-087	388-87-013	REP	98-01-125	388-155-090	PREP	97-14-073
388-76-610	AMD-P	97-18-087	388-87-020	AMD	97-04-005	388-155-092	PREP	97-14-073
388-76-610	AMD-P	97-20-114	388-87-030	REP-P	97-19-102	388-155-093	PREP	97-14-073
388-76-615	AMD-P	97-20-114	388-87-030	REP	98-01-125	388-155-094	PREP	97-14-073
388-76-620	AMD-P	97-18-087	388-87-032	REP-P	97-19-102	388-155-095	PREP	97-14-073
388-76-635	AMD-P	97-18-087	388-87-032	REP	98-01-125	388-155-096	PREP	97-14-073
388-76-640	AMD-P	97-18-087	388-87-070	REP-P	97-19-102	388-155-097	PREP	97-14-073

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
388-155-098	PREP	97-14-073	388-165-100	REP-P	97-19-102	388-215-1400	AMD-P	97-05-071
388-155-100	PREP	97-14-073	388-165-100	REP	98-01-125	388-215-1400	AMD	97-08-033
388-155-110	PREP	97-14-073	388-200-1400	NEW-E	97-03-046	388-215-1400	AMD	97-10-042
388-155-120	PREP	97-14-073	388-200-1400	NEW-P	97-03-053	388-215-1550	NEW-E	97-03-049
388-155-130	PREP	97-14-073	388-200-1400	NEW	97-07-008	388-215-1550	NEW-P	97-03-052
388-155-140	PREP	97-14-073	388-201-100	REP-P	97-15-031	388-215-1550	NEW	97-06-077
388-155-150	PREP	97-14-073	388-201-100	REP-E	97-15-043	388-215-1570	NEW-P	97-05-069
388-155-160	PREP	97-14-073	388-201-100	PREP	97-15-131	388-215-1570	NEW	97-08-034
388-155-165	PREP	97-14-073	388-201-100	REP	97-20-056	388-215-1570	NEW	97-10-040
388-155-170	PREP	97-14-073	388-201-200	REP-P	97-15-031	388-215-1570	AMD-P	97-15-032
388-155-180	PREP	97-14-073	388-201-200	REP-E	97-15-043	388-215-1570	AMD-E	97-15-044
388-155-190	PREP	97-14-073	388-201-200	PREP	97-15-131	388-215-1570	AMD	97-18-074
388-155-200	PREP	97-14-073	388-201-200	REP	97-20-056	388-215-1620	AMD-E	97-16-052
388-155-210	PREP	97-14-073	388-201-300	REP-P	97-15-031	388-215-1620	AMD-P	97-17-069
388-155-220	PREP	97-14-073	388-201-300	REP-E	97-15-043	388-215-1620	AMD	97-20-128
388-155-230	PREP	97-14-073	388-201-300	PREP	97-15-131	388-215-1630	NEW-P	97-17-068
388-155-240	PREP	97-14-073	388-201-300	REP	97-20-056	388-215-1630	NEW	97-20-124
388-155-250	PREP	97-14-073	388-201-400	REP-P	97-15-031	388-215-1650	AMD-E	97-03-054
388-155-260	PREP	97-14-073	388-201-400	REP-E	97-15-043	388-215-1650	AMD-P	97-03-055
388-155-270	PREP	97-14-073	388-201-400	PREP	97-15-131	388-215-1650	AMD	97-06-076
388-155-280	PREP	97-14-073	388-201-400	REP	97-20-056	388-215-1650	AMD-E	97-16-052
388-155-290	PREP	97-14-073	388-201-410	REP-P	97-15-031	388-215-1650	AMD-P	97-17-069
388-155-295	PREP	97-14-073	388-201-410	REP-E	97-15-043	388-215-1650	AMD	97-20-128
388-155-310	PREP	97-14-073	388-201-410	PREP	97-15-131	388-215-1660	NEW-P	97-05-072
388-155-320	PREP	97-14-073	388-201-410	REP	97-20-056	388-215-1660	NEW-E	97-06-026
388-155-330	PREP	97-14-073	388-201-420	REP-P	97-15-031	388-215-1660	NEW-S	97-06-073
388-155-340	PREP	97-14-073	388-201-420	REP-E	97-15-043	388-215-1660	NEW	97-09-029
388-155-350	PREP	97-14-073	388-201-420	PREP	97-15-131	388-215-1660	AMD-E	97-16-052
388-155-360	PREP	97-14-073	388-201-420	REP	97-20-056	388-215-1660	AMD-P	97-17-069
388-155-370	PREP	97-14-073	388-201-430	REP-P	97-15-031	388-215-1660	AMD	97-20-128
388-155-380	PREP	97-14-073	388-201-430	REP-E	97-15-043	388-215-1670	NEW-E	97-16-052
388-155-390	PREP	97-14-073	388-201-430	PREP	97-15-131	388-215-1670	NEW-P	97-17-069
388-155-400	PREP	97-14-073	388-201-430	REP	97-20-056	388-215-1670	NEW	97-20-124
388-155-410	PREP	97-14-073	388-201-440	REP-P	97-15-031	388-216-2450	PREP	97-11-077
388-155-420	PREP	97-14-073	388-201-440	REP-E	97-15-043	388-216-2450	AMD-P	97-15-089
388-155-430	PREP	97-14-073	388-201-440	PREP	97-15-131	388-216-2450	AMD-E	97-15-090
388-155-440	PREP	97-14-073	388-201-440	REP	97-20-056	388-216-2450	AMD	97-19-008
388-155-450	PREP	97-14-073	388-201-450	REP-P	97-15-031	388-216-2500	AMD-E	97-03-048
388-155-460	PREP	97-14-073	388-201-450	REP-E	97-15-043	388-216-2500	AMD-P	97-03-050
388-155-470	PREP	97-14-073	388-201-450	PREP	97-15-131	388-216-2500	AMD	97-06-075
388-155-480	PREP	97-14-073	388-201-450	REP	97-20-056	388-216-2500	PREP	97-11-077
388-155-490	PREP	97-14-073	388-201-460	REP-P	97-15-031	388-216-2500	AMD-P	97-15-089
388-155-500	PREP	97-14-073	388-201-460	REP-E	97-15-043	388-216-2500	AMD-E	97-15-090
388-155-600	PREP	97-14-073	388-201-460	PREP	97-15-131	388-216-2500	AMD	97-19-008
388-155-610	PREP	97-14-073	388-201-460	REP	97-20-056	388-216-2650	PREP	97-11-077
388-155-605	PREP	97-14-073	388-201-470	REP-P	97-15-031	388-216-2650	AMD-P	97-15-089
388-155-620	PREP	97-14-073	388-201-470	REP-E	97-15-043	388-216-2650	AMD-E	97-15-090
388-155-630	PREP	97-14-073	388-201-470	PREP	97-15-131	388-216-2650	AMD	97-19-008
388-155-640	PREP	97-14-073	388-201-470	REP	97-20-056	388-216-2650	PREP	97-11-077
388-155-650	PREP	97-14-073	388-201-480	REP-P	97-15-031	388-216-2800	AMD-P	97-15-089
388-155-660	PREP	97-14-073	388-201-480	REP-E	97-15-043	388-216-2800	AMD-E	97-15-090
388-155-670	PREP	97-14-073	388-201-480	PREP	97-15-131	388-216-2800	AMD	97-19-008
388-155-680	PREP	97-14-073	388-201-480	REP	97-20-056	388-216-2900	AMD-E	97-03-047
388-165-005	REP-P	97-19-102	388-215-0020	NEW-P	97-17-087	388-216-2900	AMD-P	97-03-051
388-165-005	REP	98-01-125	388-215-0020	NEW-W	97-20-132	388-216-2900	AMD	97-06-078
388-165-010	REP-P	97-19-102	388-215-1000	AMD-E	97-04-050	388-216-3000	NEW-P	97-17-090
388-165-010	REP	98-01-125	388-215-1000	AMD-P	97-04-051	388-216-3000	NEW	97-20-124
388-165-020	REP-P	97-19-102	388-215-1000	AMD	97-07-024	388-218-1210	PREP	97-11-079
388-165-020	REP	98-01-125	388-215-1000	AMD-P	97-17-087	388-218-1210	AMD-E	97-15-087
388-165-030	REP-P	97-19-102	388-215-1000	AMD	97-20-128	388-218-1210	AMD-P	97-15-088
388-165-030	REP	98-01-125	388-215-1010	NEW-P	97-15-031	388-218-1210	AMD	97-18-073
388-165-040	REP-P	97-19-102	388-215-1010	NEW-E	97-15-043	388-218-1230	AMD-E	97-15-087
388-165-040	REP	98-01-125	388-215-1010	NEW	97-20-056	388-218-1230	AMD-P	97-15-088
388-165-050	REP-P	97-19-102	388-215-1115	NEW-P	97-05-068	388-218-1230	AMD	97-18-073
388-165-050	REP	98-01-125	388-215-1115	NEW	97-08-032	388-218-1300	PREP	97-11-079
388-165-060	REP-P	97-19-102	388-215-1115	NEW	97-10-041	388-218-1300	AMD-E	97-15-087
388-165-060	REP	98-01-125	388-215-1200	AMD-P	97-17-087	388-218-1300	AMD-P	97-15-088
388-165-070	REP-P	97-19-102	388-215-1200	REP	97-20-125	388-218-1300	AMD	97-18-073
388-165-070	REP	98-01-125	388-215-1210	NEW-E	97-16-055	388-218-1350	PREP	97-11-079
388-165-080	REP-P	97-19-102	388-215-1210	NEW-P	97-17-100	388-218-1350	AMD-E	97-15-087
388-165-080	REP	98-01-125	388-215-1210	NEW-W	97-21-152	388-218-1350	AMD-P	97-15-088
388-165-090	REP-P	97-19-102	388-215-1375	AMD-P	97-09-108	388-218-1350	AMD	97-18-073
388-165-090	REP	98-01-125	388-215-1375	AMD	97-14-082	388-218-1410	PREP	97-11-079

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388-218-1410	AMD-E	97-15-087	388-220-0040	NEW-W	97-20-132	388-290	AMD-P	97-17-104
388-218-1410	AMD-P	97-15-088	388-220-0050	NEW-S	97-21-106	388-290	AMD	97-20-130
388-218-1410	AMD	97-18-073	388-222-001	NEW-P	97-17-103	388-290-010	AMD-P	97-17-104
388-218-1420	PREP	97-11-079	388-222-001	NEW	97-20-124	388-290-010	AMD	97-20-130
388-218-1420	REP-E	97-15-087	388-222-010	NEW-P	97-17-103	388-290-010	AMD-E	97-22-041
388-218-1420	REP-P	97-15-088	388-222-010	NEW	97-20-124	388-290-020	AMD-P	97-17-104
388-218-1420	REP	97-18-073	388-222-020	NEW-P	97-17-103	388-290-020	AMD	97-20-130
388-218-1430	PREP	97-11-079	388-222-020	NEW	97-20-124	388-290-025	NEW-P	97-17-104
388-218-1430	AMD-E	97-15-087	388-222-030	NEW-P	97-17-103	388-290-025	NEW	97-20-130
388-218-1430	AMD-P	97-15-088	388-222-030	NEW-W	97-20-132	388-290-030	NEW-P	97-17-104
388-218-1430	AMD	97-18-073	388-222-040	NEW-P	97-17-103	388-290-030	NEW	97-20-130
388-218-1440	PREP	97-11-079	388-222-040	NEW-W	97-20-132	388-290-035	NEW-P	97-17-104
388-218-1440	AMD-E	97-15-087	388-222-050	NEW-P	97-17-103	388-290-035	NEW	97-20-130
388-218-1440	AMD-P	97-15-088	388-222-050	NEW-W	97-20-132	388-290-040	REP-P	97-17-104
388-218-1440	AMD	97-18-073	388-222-060	NEW-P	97-17-103	388-290-040	REP	97-20-130
388-218-1450	PREP	97-11-079	388-222-060	NEW-W	97-20-132	388-290-045	NEW-P	97-17-104
388-218-1450	REP-E	97-15-087	388-230	PREP	97-13-085	388-290-045	NEW-W	97-20-132
388-218-1450	REP-P	97-15-088	388-230-0010	AMD-E	97-14-107	388-290-050	NEW-P	97-17-104
388-218-1450	REP	97-18-073	388-230-0010	AMD-P	97-17-102	388-290-050	NEW	97-20-130
388-218-1460	PREP	97-11-079	388-230-0010	AMD	97-20-128	388-290-055	NEW-P	97-17-104
388-218-1460	REP-E	97-15-087	388-230-0040	AMD-E	97-14-107	388-290-055	NEW	97-20-130
388-218-1460	REP-P	97-15-088	388-230-0040	AMD-P	97-17-102	388-290-060	NEW-P	97-17-104
388-218-1460	REP	97-18-073	388-230-0040	REP	97-20-125	388-290-060	NEW	97-20-130
388-218-1470	PREP	97-11-079	388-230-0060	AMD-E	97-14-107	388-290-070	NEW-P	97-17-104
388-218-1470	AMD-E	97-15-087	388-230-0060	AMD-P	97-17-102	388-290-070	NEW	97-20-130
388-218-1470	AMD-P	97-15-088	388-230-0060	AMD	97-20-128	388-290-080	NEW-P	97-17-104
388-218-1470	AMD	97-18-073	388-230-0090	AMD-E	97-14-107	388-290-080	NEW	97-20-130
388-218-1480	PREP	97-11-079	388-230-0090	AMD-P	97-17-102	388-290-090	NEW-P	97-17-104
388-218-1480	REP-E	97-15-087	388-230-0090	AMD-W	97-20-132	388-290-090	NEW	97-20-130
388-218-1480	REP-P	97-15-088	388-230-0110	AMD-E	97-14-107	388-290-090	AMD-E	97-23-014
388-218-1480	REP	97-18-073	388-230-0110	AMD-P	97-17-102	388-290-100	NEW-P	97-17-104
388-218-1530	AMD-E	97-03-047	388-230-0110	AMD-W	97-20-132	388-290-100	NEW-W	97-20-132
388-218-1530	AMD-P	97-03-051	388-230-0120	AMD-E	97-14-107	388-290-105	NEW-P	97-17-104
388-218-1530	AMD	97-06-078	388-230-0120	AMD-P	97-17-102	388-290-105	NEW	97-20-130
388-218-1630	PREP	97-11-079	388-230-0120	AMD-W	97-20-132	388-290-110	REP-P	97-17-104
388-218-1630	AMD-E	97-15-087	388-230-0140	AMD-E	97-14-107	388-290-110	REP	97-20-130
388-218-1630	AMD-P	97-15-088	388-230-0140	AMD-P	97-17-102	388-290-115	REP-P	97-17-104
388-218-1630	AMD	97-18-073	388-230-0140	AMD-W	97-20-132	388-290-115	REP	97-20-130
388-218-1700	REP-E	97-15-137	388-233	PREP	97-13-083	388-290-120	REP-P	97-17-104
388-218-1700	REP-E	97-24-004	388-235	PREP	97-14-081	388-290-120	REP	97-20-130
388-218-1710	PREP	97-11-079	388-235-2000	AMD-P	97-17-090	388-290-123	REP-P	97-17-104
388-218-1710	AMD-E	97-15-087	388-235-2000	AMD	97-20-128	388-290-123	REP	97-20-130
388-218-1710	AMD-P	97-15-088	388-245-1150	AMD-E	97-14-109	388-290-130	REP-P	97-17-104
388-218-1710	AMD	97-18-073	388-245-1150	AMD-E	97-22-051	388-290-130	REP	97-20-130
388-218-1720	AMD-E	97-15-087	388-245-1150	AMD-P	97-22-052	388-290-135	REP-P	97-17-104
388-218-1720	AMD-P	97-15-088	388-245-1510	AMD-E	97-15-011	388-290-135	REP	97-20-130
388-218-1720	AMD	97-18-073	388-245-1510	AMD-E	97-22-049	388-290-140	REP-P	97-17-104
388-218-1730	PREP	97-11-079	388-245-1510	AMD-P	97-22-050	388-290-140	REP	97-20-130
388-218-1730	REP-E	97-15-087	388-250-1225	NEW-P	97-17-099	388-290-155	REP-P	97-17-104
388-218-1730	REP-P	97-15-088	388-250-1225	NEW	97-20-124	388-290-155	REP	97-20-130
388-218-1730	REP	97-18-073	388-250-1250	AMD-P	98-01-169	388-290-160	REP-P	97-17-104
388-218-1735	NEW-P	97-17-101	388-250-1310	NEW-P	97-17-101	388-290-160	REP	97-20-130
388-218-1735	NEW	97-20-124	388-250-1310	NEW	97-20-124	388-290-170	REP-P	97-17-104
388-218-1740	PREP	97-11-079	388-250-1700	AMD-P	97-10-035	388-290-170	REP	97-20-130
388-218-1740	AMD-E	97-15-087	388-250-1700	AMD-E	97-10-036	388-290-180	REP-P	97-17-104
388-218-1740	AMD-P	97-15-088	388-250-1700	AMD	97-14-011	388-290-180	REP	97-20-130
388-218-1740	AMD	97-18-073	388-250-1700	AMD-E	97-24-035	388-290-210	REP-P	97-17-104
388-218-1800	AMD-E	97-15-137	388-250-1700	AMD-P	98-01-126	388-290-210	REP	97-20-130
388-218-1800	REP-E	97-24-004	388-265	PREP	97-13-084	388-290-250	REP-P	97-17-104
388-218-1820	AMD-E	97-03-047	388-265-1010	AMD-E	97-14-108	388-290-250	REP	97-20-130
388-218-1820	AMD-P	97-03-051	388-265-1010	AMD-P	97-17-097	388-290-260	REP-P	97-17-104
388-218-1820	AMD	97-06-078	388-265-1010	AMD-W	97-20-132	388-290-260	REP	97-20-130
388-218-1940	AMD-E	97-15-137	388-265-1275	AMD-E	97-14-108	388-300	PREP	97-14-046
388-218-1940	REP-E	97-24-004	388-265-1275	AMD-P	97-17-097	388-300-0100	REP-P	97-16-054
388-220-0001	NEW-P	97-17-088	388-265-1275	AMD	97-20-128	388-300-0100	REP	97-20-126
388-220-0001	NEW	97-20-124	388-265-1350	REP-P	97-05-071	388-300-0200	REP-P	97-16-054
388-220-0010	NEW-P	97-17-088	388-265-1350	REP	97-08-033	388-300-0200	REP	97-20-126
388-220-0010	NEW-W	97-20-132	388-265-1350	REP	97-10-042	388-300-0300	REP-P	97-16-054
388-220-0020	NEW-P	97-17-088	388-265-1750	PREP	97-06-132	388-300-0300	REP	97-20-126
388-220-0020	NEW-W	97-20-132	388-265-1750	AMD-E	97-06-133	388-300-0400	REP-P	97-16-054
388-220-0030	NEW-P	97-17-088	388-265-1750	AMD-P	97-10-039	388-300-0400	REP	97-20-126
388-220-0030	NEW	97-20-124	388-265-1750	AMD	97-13-091	388-300-0500	REP-P	97-16-054
388-220-0040	NEW-P	97-17-088	388-290	PREP	97-14-047	388-300-0500	REP	97-20-126

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
388-300-0600	REP-P	97-16-054	388-310-0300	NEW	97-20-129	388-507-0740	AMD-E	97-24-034
388-300-0600	REP	97-20-126	388-310-0400	NEW-P	97-17-070	388-508-0805	AMD-E	97-08-031
388-300-0700	REP-P	97-16-054	388-310-0400	NEW	97-20-129	388-508-0805	AMD-P	97-13-057
388-300-0700	REP	97-20-126	388-310-0500	NEW-P	97-17-070	388-508-0805	AMD	97-16-008
388-300-0800	REP-P	97-16-054	388-310-0500	NEW	97-20-129	388-509-0920	AMD-E	97-08-031
388-300-0800	REP	97-20-126	388-310-0600	NEW-P	97-17-070	388-509-0920	AMD-P	97-13-057
388-300-0900	REP-P	97-16-054	388-310-0600	NEW	97-20-129	388-509-0920	AMD	97-16-008
388-300-0900	REP	97-20-126	388-310-0700	NEW-P	97-17-070	388-509-0960	AMD-E	97-08-031
388-300-1000	REP-P	97-16-054	388-310-0700	NEW	97-20-129	388-509-0960	AMD-P	97-13-057
388-300-1000	REP	97-20-126	388-310-0800	NEW-P	97-17-070	388-509-0960	AMD	97-16-008
388-300-1100	REP-P	97-16-054	388-310-0800	NEW	97-20-129	388-510	PREP	97-11-075
388-300-1100	REP	97-20-126	388-310-0900	NEW-P	97-17-070	388-510-1005	NEW-E	97-16-053
388-300-1200	REP-P	97-16-054	388-310-0900	NEW	97-20-129	388-510-1005	NEW-E	97-24-034
388-300-1200	REP	97-20-126	388-310-1000	NEW-P	97-17-070	388-510-1020	AMD-E	97-16-053
388-300-1300	REP-P	97-16-054	388-310-1000	NEW	97-20-129	388-510-1020	AMD-E	97-24-034
388-300-1300	REP	97-20-126	388-310-1100	NEW-P	97-17-070	388-510-1030	PREP	97-23-037
388-300-1400	REP-P	97-16-054	388-310-1100	NEW	97-20-129	388-511-1105	AMD	97-03-036
388-300-1400	REP	97-20-126	388-310-1200	NEW-P	97-17-070	388-511-1130	AMD	97-10-022
388-300-1500	REP-P	97-16-054	388-310-1200	NEW	97-20-129	388-511-1140	AMD	97-10-022
388-300-1500	REP	97-20-126	388-310-1300	NEW-P	97-17-070	388-511-1160	AMD	97-03-034
388-300-1600	REP-P	97-16-054	388-310-1300	NEW-W	97-20-132	388-511-1160	PREP	97-08-035
388-300-1600	REP	97-20-126	388-310-1300	NEW-P	97-23-085	388-511-1160	AMD-P	98-01-127
388-300-1700	REP-P	97-16-054	388-310-1400	NEW-P	97-17-070	388-512-1275	AMD-P	97-23-084
388-300-1700	REP	97-20-126	388-310-1400	NEW	97-20-129	388-512-1280	REP-P	97-23-084
388-300-1800	REP-P	97-16-054	388-310-1500	NEW-P	97-17-070	388-513-1315	PREP	97-12-023
388-300-1800	REP	97-20-126	388-310-1500	NEW	97-20-129	388-513-1315	AMD-P	97-23-083
388-300-1900	REP-P	97-16-054	388-310-1600	NEW-P	97-17-070	388-513-1320	AMD-P	97-11-082
388-300-1900	REP	97-20-126	388-310-1600	NEW	97-20-129	388-513-1320	AMD	97-15-025
388-300-2000	REP-P	97-16-054	388-310-1700	NEW-P	97-17-070	388-513-1330	AMD	97-10-022
388-300-2000	REP	97-20-126	388-310-1700	NEW	97-20-129	388-513-1350	AMD-P	97-07-023
388-300-2100	REP-P	97-16-054	388-310-1800	NEW-P	97-17-070	388-513-1350	AMD	97-09-112
388-300-2100	REP	97-20-126	388-310-1800	NEW	97-20-129	388-513-1350	PREP	98-01-068
388-300-2200	REP-P	97-16-054	388-310-1900	NEW-P	97-17-070	388-513-1350	AMD-P	98-01-190
388-300-2200	REP	97-20-126	388-310-1900	NEW	97-20-129	388-513-1365	AMD	97-05-040
388-300-2300	REP-P	97-16-054	388-320-225	AMD-E	97-03-046	388-513-1380	AMD-E	97-08-031
388-300-2300	REP	97-20-126	388-320-225	AMD-P	97-03-053	388-513-1380	AMD-W	97-12-062
388-300-2400	REP-P	97-16-054	388-320-225	AMD	97-07-008	388-513-1380	AMD-P	97-13-057
388-300-2400	REP	97-20-126	388-320-400	PREP	97-15-131	388-513-1380	AMD	97-16-008
388-300-2500	REP-P	97-16-054	388-320-400	REP-P	97-19-102	388-513-1380	AMD-E	98-01-191
388-300-2500	REP	97-20-126	388-320-400	REP	98-01-125	388-517-1720	AMD-E	97-08-031
388-300-2600	REP-P	97-16-054	388-320-410	PREP	97-15-131	388-517-1720	AMD-P	97-13-057
388-300-2600	REP	97-20-126	388-320-410	REP-P	97-19-102	388-517-1720	AMD	97-16-008
388-300-2700	REP-P	97-16-054	388-320-410	REP	98-01-125	388-517-1740	AMD-E	97-08-031
388-300-2700	REP	97-20-126	388-320-470	PREP	97-15-131	388-517-1740	AMD-P	97-13-057
388-300-2800	REP-P	97-16-054	388-320-470	REP-P	97-19-102	388-517-1740	AMD	97-16-008
388-300-2800	REP	97-20-126	388-320-470	REP	98-01-125	388-517-1740	PREP	97-23-039
388-300-2900	REP-P	97-16-054	388-320-500	PREP	97-15-131	388-517-1760	AMD-E	97-08-031
388-300-2900	REP	97-20-126	388-320-500	REP-P	97-19-102	388-517-1760	AMD-P	97-13-057
388-300-3000	REP-P	97-16-054	388-320-500	REP	98-01-125	388-517-1760	AMD	97-16-008
388-300-3000	REP	97-20-126	388-330-035	AMD-P	97-09-106	388-521-2160	PREP	98-01-067
388-300-3100	REP-P	97-16-054	388-330-035	AMD	97-13-002	388-522-2205	AMD-E	97-08-030
388-300-3100	REP	97-20-126	388-500-0005	PREP	97-11-075	388-522-2205	AMD-P	97-12-081
388-300-3200	REP-P	97-16-054	388-500-0005	AMD-E	97-16-053	388-522-2205	AMD	97-15-084
388-300-3200	REP	97-20-126	388-500-0005	AMD-E	97-24-034	388-523-2305	AMD-E	97-16-053
388-300-3300	REP-P	97-16-054	388-501-0135	AMD	97-03-038	388-523-2305	AMD-E	97-24-034
388-300-3300	REP	97-20-126	388-503-0310	AMD	97-03-036	388-524-2405	AMD-E	97-08-030
388-300-3400	REP-P	97-16-054	388-503-0310	PREP	97-11-075	388-524-2405	AMD-P	97-12-081
388-300-3400	REP	97-20-126	388-503-0310	AMD-E	97-16-053	388-524-2405	AMD	97-15-084
388-300-3500	REP-P	97-16-054	388-503-0310	AMD-E	97-24-034	388-527	PREP	97-20-014
388-300-3500	REP	97-20-126	388-505-0510	AMD-P	97-11-082	388-528-2810	REP	97-03-037
388-300-3600	REP-P	97-16-054	388-505-0510	AMD	97-15-025	388-529-2960	AMD-P	97-23-084
388-300-3600	REP	97-20-126	388-505-0520	AMD-E	97-08-074	388-530-1600	PREP	97-24-013
388-300-3700	REP-P	97-16-054	388-505-0520	PREP	97-11-075	388-538-070	PREP	97-11-076
388-300-3700	REP	97-20-126	388-505-0520	AMD-E	97-16-053	388-538-073	NEW-W	97-10-073
388-300-3800	REP-P	97-16-054	388-505-0520	AMD-E	97-24-034	388-538-074	NEW-W	97-10-073
388-300-3800	REP	97-20-126	388-505-0540	AMD	97-04-005	388-538-110	AMD	97-04-004
388-300-3900	REP-P	97-16-054	388-506-0630	AMD	97-10-022	388-540-005	PREP	97-11-081
388-300-3900	REP	97-20-126	388-507-0710	AMD-P	97-07-023	388-540-030	PREP	97-11-081
388-310-0100	NEW-P	97-17-070	388-507-0710	AMD	97-09-112	388-540-060	PREP	97-11-081
388-310-0100	NEW	97-20-129	388-507-0710	PREP	98-01-068	388-550-1000	NEW-P	97-11-008
388-310-0200	NEW-P	97-17-070	388-507-0710	AMD-E	98-01-190	388-550-1000	NEW	98-01-124
388-310-0200	NEW	97-20-129	388-507-0740	PREP	97-10-034	388-550-1050	NEW-P	97-11-008
388-310-0300	NEW-P	97-17-070	388-507-0740	AMD-E	97-16-053	388-550-1050	NEW	98-01-124

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
388-550-1100	NEW-P	97-11-008	388-550-4100	NEW	98-01-124	388-555-1100	NEW-E	97-23-023
388-550-1100	NEW	98-01-124	388-550-4200	NEW-P	97-11-008	388-555-1150	NEW-E	97-15-058
388-550-1200	NEW-P	97-11-008	388-550-4200	NEW	98-01-124	388-555-1150	NEW-E	97-23-023
388-550-1200	NEW	98-01-124	388-550-4300	NEW-P	97-11-008	388-555-1200	NEW-E	97-15-058
388-550-1300	NEW-P	97-11-008	388-550-4300	NEW	98-01-124	388-555-1200	NEW-E	97-23-023
388-550-1300	NEW	98-01-124	388-550-4400	NEW-P	97-11-008	388-555-1250	NEW-E	97-15-058
388-550-1400	NEW-P	97-11-008	388-550-4400	NEW	98-01-124	388-555-1250	NEW-E	97-23-023
388-550-1400	NEW	98-01-124	388-550-4500	NEW-P	97-11-008	388-555-1300	NEW-E	97-15-058
388-550-1500	NEW-P	97-11-008	388-550-4500	NEW	98-01-124	388-555-1300	NEW-E	97-23-023
388-550-1500	NEW	98-01-124	388-550-4600	NEW-P	97-11-008	388-555-1350	NEW-E	97-15-058
388-550-1600	NEW-P	97-11-008	388-550-4600	NEW	98-01-124	388-555-1350	NEW-E	97-23-023
388-550-1600	NEW	98-01-124	388-550-4700	NEW-P	97-11-008	388-555-1400	NEW-E	97-15-058
388-550-1700	NEW-P	97-11-008	388-550-4700	NEW	98-01-124	388-555-1400	NEW-E	97-23-023
388-550-1700	NEW	98-01-124	388-550-4800	NEW-P	97-11-008	388-555-1450	NEW-E	97-15-058
388-550-1750	NEW-P	97-11-008	388-550-4800	NEW	98-01-124	388-555-1450	NEW-E	97-23-023
388-550-1750	NEW	98-01-124	388-550-4900	NEW-P	97-11-008	390-05-400	PREP	98-01-187
388-550-1800	NEW-P	97-11-008	388-550-4900	NEW	98-01-124	390-16-041	AMD-P	97-03-117
388-550-1800	NEW	98-01-124	388-550-5000	NEW-P	97-11-008	390-16-041	AMD	97-06-085
388-550-1900	NEW-P	97-11-008	388-550-5000	NEW	98-01-124	390-16-071	AMD-P	97-21-148
388-550-1900	NEW	98-01-124	388-550-5100	NEW-P	97-11-008	390-16-071	AMD	98-01-062
388-550-2000	NEW-P	97-11-008	388-550-5100	NEW	98-01-124	390-16-313	AMD-P	97-06-086
388-550-2000	NEW	98-01-124	388-550-5150	NEW-P	97-11-008	390-16-313	AMD	97-10-055
388-550-2100	NEW-P	97-11-008	388-550-5150	NEW	98-01-124	390-17-400	AMD-E	98-01-055
388-550-2100	NEW	98-01-124	388-550-5200	NEW-P	97-11-008	390-20-110	AMD-P	97-21-148
388-550-2200	NEW-P	97-11-008	388-550-5200	NEW	98-01-124	390-20-110	AMD	98-01-062
388-550-2200	NEW	98-01-124	388-550-5250	NEW-P	97-11-008	390-24-010	AMD-P	97-19-051
388-550-2300	NEW-P	97-11-008	388-550-5250	NEW	98-01-124	390-24-010	AMD	97-23-020
388-550-2300	NEW	98-01-124	388-550-5300	NEW-P	97-11-008	390-24-020	AMD-P	97-19-051
388-550-2400	NEW-P	97-11-008	388-550-5300	NEW	98-01-124	390-24-020	AMD	97-23-020
388-550-2400	NEW	98-01-124	388-550-5350	NEW-P	97-11-008	390-24-300	NEW-P	97-19-051
388-550-2500	NEW-P	97-11-008	388-550-5350	NEW	98-01-124	390-24-301	NEW	97-23-020
388-550-2500	NEW	98-01-124	388-550-5400	NEW-P	97-11-008	392-115	PREP	97-18-010
388-550-2600	NEW-P	97-11-008	388-550-5400	NEW	98-01-124	392-115-005	AMD-P	97-24-061
388-550-2600	NEW	98-01-124	388-550-5500	NEW-P	97-11-008	392-115-010	AMD-P	97-24-061
388-550-2700	NEW-P	97-11-008	388-550-5500	NEW	98-01-124	392-115-015	AMD-P	97-24-061
388-550-2700	NEW	98-01-124	388-550-5600	NEW-P	97-11-008	392-115-020	AMD-P	97-24-061
388-550-2750	NEW-P	97-11-008	388-550-5600	NEW	98-01-124	392-115-025	AMD-P	97-24-061
388-550-2750	NEW	98-01-124	388-550-5700	NEW-P	97-11-008	392-115-045	AMD-P	97-24-061
388-550-2800	NEW-P	97-11-008	388-550-5700	NEW	98-01-124	392-115-050	AMD-P	97-24-061
388-550-2800	NEW	98-01-124	388-550-5800	NEW-P	97-11-008	392-115-055	AMD-P	97-24-061
388-550-2900	NEW-P	97-11-008	388-550-5800	NEW	98-01-124	392-115-060	AMD-P	97-24-061
388-550-2900	NEW	98-01-124	388-550-5900	NEW-P	97-11-008	392-115-065	AMD-P	97-24-061
388-550-3000	NEW-P	97-11-008	388-550-5900	NEW	98-01-124	392-115-085	AMD-P	97-24-061
388-550-3000	NEW	98-01-124	388-550-6000	NEW-P	97-11-008	392-115-090	AMD-P	97-24-061
388-550-3100	NEW-P	97-11-008	388-550-6000	NEW	98-01-124	392-115-110	AMD-P	97-24-061
388-550-3100	NEW	98-01-124	388-550-6100	NEW-P	97-11-008	392-115-115	AMD-P	97-24-061
388-550-3150	NEW-P	97-11-008	388-550-6100	NEW	98-01-124	392-115-120	AMD-P	97-24-061
388-550-3150	NEW	98-01-124	388-550-6150	NEW-P	97-11-008	392-115-125	AMD-P	97-24-061
388-550-3200	NEW-P	97-11-008	388-550-6150	NEW	98-01-124	392-115-130	AMD-P	97-24-061
388-550-3200	NEW	98-01-124	388-550-6200	NEW-P	97-11-008	392-115-151	AMD-P	97-24-061
388-550-3250	NEW-P	97-11-008	388-550-6200	NEW	98-01-124	392-115-155	AMD-P	97-24-061
388-550-3250	NEW	98-01-124	388-550-6250	NEW-P	97-11-008	392-120-025	AMD-P	97-15-072
388-550-3300	NEW-P	97-11-008	388-550-6250	NEW	98-01-124	392-120-025	AMD	97-20-002
388-550-3300	NEW	98-01-124	388-550-6300	NEW-P	97-11-008	392-120-027	NEW-P	97-15-072
388-550-3350	NEW-P	97-11-008	388-550-6300	NEW	98-01-124	392-120-027	NEW	97-20-002
388-550-3350	NEW	98-01-124	388-550-6350	NEW-P	97-11-008	392-120-028	NEW-P	97-15-072
388-550-3400	NEW-P	97-11-008	388-550-6350	NEW	98-01-124	392-120-028	NEW	97-20-002
388-550-3400	NEW	98-01-124	388-550-6400	NEW-P	97-11-008	392-120-030	AMD-P	97-15-072
388-550-3450	NEW-P	97-11-008	388-550-6400	NEW	98-01-124	392-120-030	AMD	97-20-002
388-550-3450	NEW	98-01-124	388-550-6450	NEW-P	97-11-008	392-120-055	AMD-P	97-15-072
388-550-3500	NEW-P	97-11-008	388-550-6450	NEW	98-01-124	392-120-055	AMD	97-20-002
388-550-3500	NEW	98-01-124	388-550-6500	NEW-P	97-11-008	392-120-065	AMD-P	97-15-072
388-550-3600	NEW-P	97-11-008	388-550-6500	NEW	98-01-124	392-120-065	AMD	97-20-002
388-550-3600	NEW	98-01-124	388-550-6600	NEW-P	97-11-008	392-121	PREP	97-09-010
388-550-3700	NEW-P	97-11-008	388-550-6600	NEW	98-01-124	392-121	PREP	97-16-095
388-550-3700	NEW	98-01-124	388-550-6700	NEW-P	97-11-008	392-121	PREP	97-16-096
388-550-3800	NEW-P	97-11-008	388-550-6700	NEW	98-01-124	392-121	PREP	97-17-022
388-550-3800	NEW	98-01-124	388-555	PREP	98-01-188	392-121-107	AMD-P	97-15-073
388-550-3900	NEW-P	97-11-008	388-555-1000	NEW-E	97-15-058	392-121-107	AMD	97-22-013
388-550-3900	NEW	98-01-124	388-555-1000	NEW-E	97-23-023	392-121-108	AMD-P	97-15-073
388-550-4000	NEW-P	97-11-008	388-555-1050	NEW-E	97-15-058	392-121-108	AMD	97-22-013
388-550-4000	NEW	98-01-124	388-555-1050	NEW-E	97-23-023	392-121-119	NEW-P	97-15-073
388-550-4100	NEW-P	97-11-008	388-555-1100	NEW-E	97-15-058	392-121-119	NEW	97-22-013

TABLE

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
392-121-122	AMD-P	97-15-073	392-130-130	REP	97-19-075	392-140-733	NEW-E	97-18-036
392-121-122	AMD	97-22-013	392-130-135	REP-P	97-16-001	392-140-735	NEW-E	97-18-036
392-121-133	AMD-P	97-15-073	392-130-135	REP	97-19-075	392-140-736	NEW-E	97-18-036
392-121-133	AMD	97-22-013	392-130-140	REP-P	97-16-001	392-140-740	NEW-E	97-18-036
392-121-136	AMD-P	97-15-073	392-130-140	REP	97-19-075	392-140-741	NEW-E	97-18-036
392-121-136	AMD	97-22-013	392-130-145	REP-P	97-16-001	392-140-742	NEW-E	97-18-036
392-121-137	AMD-P	97-15-073	392-130-145	REP	97-19-075	392-140-743	NEW-E	97-18-036
392-121-137	AMD	97-22-013	392-130-150	REP-P	97-16-001	392-140-744	NEW-E	97-18-036
392-121-182	AMD-P	97-15-073	392-130-150	REP	97-19-075	392-140-745	NEW-E	97-18-036
392-121-245	AMD-P	97-19-055	392-130-155	REP-P	97-16-001	392-140-746	NEW-E	97-18-036
392-121-245	AMD	97-22-106	392-130-155	REP	97-19-075	392-140-747	NEW-E	97-18-036
392-121-257	AMD-P	97-19-055	392-130-160	REP-P	97-16-001	392-140-800	NEW-P	97-20-093
392-121-257	AMD	97-22-106	392-130-160	REP	97-19-075	392-140-802	NEW-P	97-20-093
392-121-259	AMD-P	97-19-055	392-130-165	REP-P	97-16-001	392-140-804	NEW-P	97-20-093
392-121-259	AMD	97-22-106	392-130-165	REP	97-19-075	392-140-806	NEW-P	97-20-093
392-121-262	AMD-P	97-19-055	392-130-170	REP-P	97-16-001	392-140-808	NEW-P	97-20-093
392-121-262	AMD	97-22-106	392-130-170	REP	97-19-075	392-140-810	NEW-P	97-20-093
392-121-280	AMD-P	97-19-055	392-130-175	REP-P	97-16-001	392-140-812	NEW-P	97-20-093
392-121-280	AMD	97-22-106	392-130-175	REP	97-19-075	392-140-814	NEW-P	97-20-093
392-122	PREP	97-16-097	392-130-180	REP-P	97-16-001	392-140-816	NEW-P	97-20-093
392-123-047	PREP	97-04-035	392-130-180	REP	97-19-075	392-140-818	NEW-P	97-20-093
392-127	PREP	97-17-023	392-130-185	REP-P	97-16-001	392-140-820	NEW-P	97-20-093
392-130-005	REP-P	97-16-001	392-130-185	REP	97-19-075	392-140-822	NEW-P	97-20-093
392-130-005	REP	97-19-075	392-130-190	REP-P	97-16-001	392-140-824	NEW-P	97-20-093
392-130-010	REP-P	97-16-001	392-130-190	REP	97-19-075	392-140-826	NEW-P	97-20-093
392-130-010	REP	97-19-075	392-130-195	REP-P	97-16-001	392-140-828	NEW-P	97-20-093
392-130-015	REP-P	97-16-001	392-130-195	REP	97-19-075	392-140-830	NEW-P	97-20-093
392-130-015	REP	97-19-075	392-130-200	REP-P	97-16-001	392-140-832	NEW-P	97-20-093
392-130-020	REP-P	97-16-001	392-130-200	REP	97-19-075	392-140-834	NEW-P	97-20-093
392-130-020	REP	97-19-075	392-130-205	REP-P	97-16-001	392-140-836	NEW-P	97-20-093
392-130-025	REP-P	97-16-001	392-130-205	REP	97-19-075	392-142	PREP	97-12-041
392-130-025	REP	97-19-075	392-132-010	AMD	97-03-044	392-142-155	AMD-P	97-14-055
392-130-030	REP-P	97-16-001	392-132-030	AMD	97-03-044	392-142-155	AMD	97-17-042
392-130-030	REP	97-19-075	392-132-040	AMD	97-03-044	392-160-004	AMD-C	97-14-077
392-130-035	REP-P	97-16-001	392-134	PREP	97-09-010	392-160-004	AMD-W	98-01-054
392-130-035	REP	97-19-075	392-134-005	AMD-P	97-15-074	392-160-005	AMD-C	97-14-077
392-130-040	REP-P	97-16-001	392-134-010	AMD-P	97-15-074	392-160-005	AMD-W	98-01-054
392-130-040	REP	97-19-075	392-134-020	AMD-P	97-15-074	392-160-010	AMD-C	97-14-077
392-130-045	REP-P	97-16-001	392-134-025	AMD-P	97-15-074	392-160-010	AMD-W	98-01-054
392-130-045	REP	97-19-075	392-137	PREP	97-09-010	392-160-015	AMD-C	97-14-077
392-130-050	REP-P	97-16-001	392-137-160	AMD-P	97-15-075	392-160-015	AMD-W	98-01-054
392-130-050	REP	97-19-075	392-137-160	AMD	97-20-003	392-160-016	NEW-C	97-14-077
392-130-055	REP-P	97-16-001	392-137-195	AMD-P	97-15-075	392-160-016	NEW-W	98-01-054
392-130-055	REP	97-19-075	392-137-195	AMD	97-20-003	392-160-020	AMD-C	97-14-077
392-130-060	REP-P	97-16-001	392-137-220	REP-P	97-15-075	392-160-020	AMD-W	98-01-054
392-130-060	REP	97-19-075	392-137-220	REP	97-20-003	392-160-029	AMD-C	97-14-077
392-130-065	REP-P	97-16-001	392-139	PREP	97-16-098	392-160-029	AMD-W	98-01-054
392-130-065	REP	97-19-075	392-140	PREP	97-15-116	392-160-035	AMD-C	97-14-077
392-130-070	REP-P	97-16-001	392-140	PREP	97-17-024	392-160-035	AMD-W	98-01-054
392-130-070	REP	97-19-075	392-140	PREP	97-17-067	392-160-036	NEW-C	97-14-077
392-130-075	REP-P	97-16-001	392-140	PREP	97-20-079	392-160-036	NEW-W	98-01-054
392-130-075	REP	97-19-075	392-140-700	NEW-E	97-18-036	392-160-037	NEW-C	97-14-077
392-130-080	REP-P	97-16-001	392-140-701	NEW-E	97-18-036	392-160-037	NEW-W	98-01-054
392-130-080	REP	97-19-075	392-140-702	NEW-E	97-18-036	392-160-040	AMD-C	97-14-077
392-130-085	REP-P	97-16-001	392-140-710	NEW-E	97-18-036	392-160-040	AMD-W	98-01-054
392-130-085	REP	97-19-075	392-140-711	NEW-E	97-18-036	392-160-045	REP-C	97-14-077
392-130-090	REP-P	97-16-001	392-140-712	NEW-E	97-18-036	392-160-045	REP-W	98-01-054
392-130-090	REP	97-19-075	392-140-713	NEW-E	97-18-036	392-160-050	NEW-C	97-14-077
392-130-095	REP-P	97-16-001	392-140-714	NEW-E	97-18-036	392-160-050	NEW-W	98-01-054
392-130-095	REP	97-19-075	392-140-715	NEW-E	97-18-036	392-160-060	NEW-C	97-14-077
392-130-100	REP-P	97-16-001	392-140-716	NEW-E	97-18-036	392-160-060	NEW-W	98-01-054
392-130-100	REP	97-19-075	392-140-720	NEW-E	97-18-036	392-160-070	NEW-C	97-14-077
392-130-105	REP-P	97-16-001	392-140-721	NEW-E	97-18-036	392-160-070	NEW-W	98-01-054
392-130-105	REP	97-19-075	392-140-722	NEW-E	97-18-036	392-160-080	NEW-C	97-14-077
392-130-110	REP-P	97-16-001	392-140-723	NEW-E	97-18-036	392-160-080	NEW-W	98-01-054
392-130-110	REP	97-19-075	392-140-724	NEW-E	97-18-036	392-160-090	NEW-C	97-14-077
392-130-115	REP-P	97-16-001	392-140-725	NEW-E	97-18-036	392-160-090	NEW-W	98-01-054
392-130-115	REP	97-19-075	392-140-726	NEW-E	97-18-036	392-160-091	NEW-C	97-14-077
392-130-120	REP-P	97-16-001	392-140-727	NEW-E	97-18-036	392-160-091	NEW-W	98-01-054
392-130-120	REP	97-19-075	392-140-728	NEW-E	97-18-036	392-165	AMD-P	97-16-118
392-130-125	REP-P	97-16-001	392-140-730	NEW-E	97-18-036	392-165	AMD	97-23-011
392-130-125	REP	97-19-075	392-140-731	NEW-E	97-18-036	392-165-105	AMD-P	97-16-118
392-130-130	REP-P	97-16-001	392-140-732	NEW-E	97-18-036	392-165-105	AMD	97-23-011

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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
392-165-115	AMD-P	97-16-118	392-170-037	NEW-P	97-23-012	415-112-010	PREP-XR	97-20-028
392-165-115	AMD	97-23-011	392-170-038	NEW-P	97-23-012	415-112-0152	PREP-XR	97-20-028
392-165-120	AMD-P	97-16-118	392-170-042	NEW-P	97-23-012	415-112-0160	NEW	97-03-016
392-165-120	AMD	97-23-011	392-170-047	NEW-P	97-23-012	415-112-030	PREP-XR	97-20-028
392-165-130	AMD-P	97-16-118	392-170-050	AMD-P	97-23-012	415-112-110	PREP-XR	97-20-028
392-165-130	AMD	97-23-011	392-170-078	NEW-P	97-23-012	415-112-330	AMD-S	97-05-010
392-165-135	AMD-P	97-16-118	392-170-080	AMD-P	97-23-012	415-112-330	AMD	97-09-037
392-165-135	AMD	97-23-011	392-170-090	AMD-P	97-23-012	415-112-335	NEW-S	97-05-010
392-165-140	AMD-P	97-16-118	392-182-020	PREP	97-19-065	415-112-335	NEW	97-09-037
392-165-140	AMD	97-23-011	392-182-020	AMD-P	97-24-014	415-112-410	REP	97-03-016
392-165-142	AMD-P	97-16-118	392-320	PREP	97-04-022	415-112-411	REP	97-03-016
392-165-142	AMD	97-23-011	399-30-032	NEW-E	97-12-077	415-112-414	REP	97-03-016
392-165-170	AMD-P	97-16-118	399-30-032	PREP	97-22-016	415-112-420	PREP-XR	97-20-028
392-165-170	AMD	97-23-011	399-30-033	NEW-E	97-12-077	415-112-444	NEW	97-03-016
392-165-180	AMD-P	97-16-118	399-30-033	PREP	97-22-016	415-112-445	NEW	97-03-016
392-165-180	AMD	97-23-011	399-30-034	NEW-E	97-12-077	415-112-445	AMD-P	98-01-069
392-165-210	AMD-P	97-16-118	415-108-010	AMD-P	98-01-069	415-112-450	NEW	97-03-016
392-165-210	AMD	97-23-011	415-108-0110	NEW-P	98-01-069	415-112-460	NEW	97-03-016
392-165-245	AMD-P	97-16-118	415-108-0111	NEW-P	98-01-069	415-112-4601	NEW	97-03-016
392-165-245	AMD	97-23-011	415-108-050	PREP-XR	97-20-028	415-112-4603	NEW	97-03-016
392-165-260	AMD-P	97-16-118	415-108-060	PREP-XR	97-20-028	415-112-4604	NEW	97-03-016
392-165-260	AMD	97-23-011	415-108-180	PREP-XR	97-20-028	415-112-4605	NEW	97-03-016
392-165-302	AMD-P	97-16-118	415-108-190	PREP-XR	97-20-028	415-112-4607	NEW	97-03-016
392-165-302	AMD	97-23-011	415-108-195	RECOD	97-19-035	415-112-4608	NEW	97-03-016
392-165-304	AMD-P	97-16-118	415-108-195	PREP-XR	97-20-028	415-112-4608	AMD-P	98-01-069
392-165-304	AMD	97-23-011	415-108-200	PREP-XR	97-20-028	415-112-4609	NEW	97-03-016
392-165-310	AMD-P	97-16-118	415-108-210	PREP-XR	97-20-028	415-112-4609	AMD-P	98-01-069
392-165-310	AMD	97-23-011	415-108-220	PREP-XR	97-20-028	415-112-470	NEW	97-03-016
392-165-315	AMD-P	97-16-118	415-108-230	PREP-XR	97-20-028	415-112-471	NEW	97-03-016
392-165-315	AMD	97-23-011	415-108-240	PREP-XR	97-20-028	415-112-473	NEW	97-03-016
392-165-320	AMD-P	97-16-118	415-108-250	PREP-XR	97-20-028	415-112-475	NEW	97-03-016
392-165-320	AMD	97-23-011	415-108-260	PREP-XR	97-20-028	415-112-477	NEW	97-03-016
392-165-322	AMD-P	97-16-118	415-108-270	PREP-XR	97-20-028	415-112-480	NEW	97-03-016
392-165-322	AMD	97-23-011	415-108-280	PREP-XR	97-20-028	415-112-482	NEW	97-03-016
392-165-325	AMD-P	97-16-118	415-108-290	PREP-XR	97-20-028	415-112-483	NEW	97-03-016
392-165-325	AMD	97-23-011	415-108-300	DECOD	97-19-035	415-112-485	NEW	97-03-016
392-165-330	AMD-P	97-16-118	415-108-441	NEW-P	98-01-069	415-112-487	NEW	97-03-016
392-165-330	AMD	97-23-011	415-108-443	NEW-P	98-01-069	415-112-489	NEW	97-03-016
392-165-340	AMD-P	97-16-118	415-108-445	NEW-P	98-01-069	415-112-490	NEW	97-03-016
392-165-340	AMD	97-23-011	415-108-450	REP-P	98-01-069	415-112-491	NEW	97-03-016
392-165-345	AMD-P	97-16-118	415-108-451	NEW-P	98-01-069	415-116-010	PREP-XR	97-20-028
392-165-345	AMD	97-23-011	415-108-453	NEW-P	98-01-069	415-116-020	PREP-XR	97-20-028
392-165-347	AMD-P	97-16-118	415-108-455	NEW-P	98-01-069	415-116-030	PREP-XR	97-20-028
392-165-347	AMD	97-23-011	415-108-456	NEW-P	98-01-069	415-116-040	PREP-XR	97-20-028
392-165-360	AMD-P	97-16-118	415-108-457	NEW-P	98-01-069	415-116-050	PREP-XR	97-20-028
392-165-360	AMD	97-23-011	415-108-458	NEW-P	98-01-069	415-200-030	NEW-E	97-08-053
392-165-362	AMD-P	97-16-118	415-108-459	NEW-P	98-01-069	415-200-030	NEW-P	97-13-058
392-165-362	AMD	97-23-011	415-108-460	REP-P	98-01-069	415-200-030	NEW	97-16-039
392-165-365	AMD-P	97-16-118	415-108-463	NEW-P	98-01-069	415-200-040	NEW-E	97-08-053
392-165-365	AMD	97-23-011	415-108-464	NEW-P	98-01-069	415-200-040	NEW-P	97-13-058
392-165-415	AMD-P	97-16-118	415-108-465	NEW-P	98-01-069	415-200-040	NEW	97-16-039
392-165-415	AMD	97-23-011	415-108-466	NEW-P	98-01-069	415-200-050	NEW-P	97-21-154
392-165-425	AMD-P	97-16-118	415-108-467	NEW-P	98-01-069	415-200-050	NEW	98-01-109
392-165-425	AMD	97-23-011	415-108-468	NEW-P	98-01-069	415-200-060	NEW-P	97-21-154
392-165-430	AMD-P	97-16-118	415-108-469	NEW-P	98-01-069	415-200-060	NEW	98-01-109
392-165-430	AMD	97-23-011	415-108-475	NEW-P	98-01-069	415-200-070	NEW-P	97-21-154
392-165-440	AMD-P	97-16-118	415-108-477	NEW-P	98-01-069	415-200-070	NEW	98-01-109
392-165-440	AMD	97-23-011	415-108-479	NEW-P	98-01-069	415-512-090	AMD	97-05-009
392-165-450	AMD-P	97-16-118	415-108-482	NEW-P	98-01-069	434-09-010	DECOD-P	97-14-106
392-165-450	AMD	97-23-011	415-108-483	NEW-P	98-01-069	434-09-010	DECOD	97-21-045
392-165-455	AMD-P	97-16-118	415-108-484	NEW-P	98-01-069	434-09-020	AMD-P	97-14-106
392-165-455	AMD	97-23-011	415-108-487	NEW-P	98-01-069	434-09-020	DECOD-P	97-14-106
392-165-460	AMD-P	97-16-118	415-108-488	NEW-P	98-01-069	434-09-020	AMD	97-21-045
392-165-460	AMD	97-23-011	415-108-490	REP-P	98-01-069	434-09-020	DECOD	97-21-045
392-165-490	NEW-P	97-16-118	415-108-491	NEW-P	98-01-069	434-09-030	AMD-P	97-14-106
392-165-490	NEW	97-23-011	415-108-500	DECOD	97-19-035	434-09-030	DECOD-P	97-14-106
392-165-500	AMD-P	97-16-118	415-108-530	DECOD	97-19-035	434-09-030	AMD	97-21-045
392-165-500	AMD	97-23-011	415-108-540	DECOD	97-19-035	434-09-030	DECOD	97-21-045
392-165-510	AMD-P	97-16-118	415-108-580	DECOD	97-19-035	434-09-040	AMD-P	97-14-106
392-165-510	AMD	97-23-011	415-108-730	RECOD	97-19-035	434-09-040	DECOD-P	97-14-106
392-170	PREP	97-21-013	415-108-810	RECOD	97-19-035	434-09-040	AMD	97-21-045
392-170-035	AMD-P	97-23-012	415-108-820	RECOD	97-19-035	434-09-040	DECOD	97-21-045
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434-09-050	AMD	97-21-045	434-24-095	AMD-P	97-14-106	434-30-100	REP-P	97-14-106
434-09-050	DECOD	97-21-045	434-24-095	DECOD-P	97-14-106	434-30-100	REP	97-21-045
434-09-060	AMD-P	97-14-106	434-24-095	DECOD	97-21-045	434-30-110	REP-P	97-14-106
434-09-060	DECOD-P	97-14-106	434-24-095	AMD-S	97-21-046	434-30-110	REP	97-21-045
434-09-060	AMD	97-21-045	434-24-100	REP-P	97-14-106	434-30-120	REP-P	97-14-106
434-09-060	DECOD	97-21-045	434-24-100	REP	97-21-045	434-30-120	REP	97-21-045
434-09-070	AMD-P	97-14-106	434-24-105	AMD-P	97-14-106	434-30-130	REP-P	97-14-106
434-09-070	DECOD-P	97-14-106	434-24-105	DECOD-P	97-14-106	434-30-130	REP	97-21-045
434-09-070	AMD	97-21-045	434-24-105	DECOD	97-21-045	434-30-140	REP-P	97-14-106
434-09-070	DECOD	97-21-045	434-24-105	AMD-S	97-21-046	434-30-140	REP	97-21-045
434-09-080	AMD-P	97-14-106	434-24-110	AMD-P	97-14-106	434-30-150	REP-P	97-14-106
434-09-080	DECOD-P	97-14-106	434-24-110	DECOD-P	97-14-106	434-30-150	AMD-S	97-21-046
434-09-080	AMD	97-21-045	434-24-110	AMD	97-21-045	434-30-160	AMD-P	97-14-106
434-09-080	DECOD	97-21-045	434-24-110	DECOD	97-21-045	434-30-160	DECOD-P	97-14-106
434-09-090	AMD-P	97-14-106	434-24-115	AMD-P	97-14-106	434-30-160	DECOD	97-21-045
434-09-090	DECOD-P	97-14-106	434-24-115	DECOD-P	97-14-106	434-30-160	AMD-S	97-21-046
434-09-090	AMD	97-21-045	434-24-115	AMD	97-21-045	434-30-170	AMD-P	97-14-106
434-09-090	DECOD	97-21-045	434-24-115	DECOD	97-21-045	434-30-170	DECOD-P	97-14-106
434-20-010	REP-P	97-14-106	434-24-120	AMD-P	97-14-106	434-30-170	AMD	97-21-045
434-20-010	REP	97-21-045	434-24-120	DECOD-P	97-14-106	434-30-170	DECOD	97-21-045
434-20-020	REP-P	97-14-106	434-24-120	AMD-E	97-21-044	434-30-180	AMD-P	97-14-106
434-20-020	REP	97-21-045	434-24-120	DECOD	97-21-045	434-30-180	DECOD-P	97-14-106
434-20-030	REP-P	97-14-106	434-24-120	AMD-S	97-21-046	434-30-180	AMD	97-21-045
434-20-030	REP	97-21-045	434-24-130	AMD-P	97-14-106	434-30-180	DECOD	97-21-045
434-20-040	REP-P	97-14-106	434-24-130	DECOD-P	97-14-106	434-30-190	DECOD-P	97-14-106
434-20-040	REP	97-21-045	434-24-130	DECOD	97-21-045	434-30-190	DECOD	97-21-045
434-20-050	REP-P	97-14-106	434-24-130	AMD-S	97-21-046	434-30-200	DECOD-P	97-14-106
434-20-050	REP	97-21-045	434-24-140	AMD-P	97-14-106	434-30-200	DECOD	97-21-045
434-24-010	AMD-P	97-14-106	434-24-140	DECOD-P	97-14-106	434-30-210	AMD-P	97-14-106
434-24-010	DECOD-P	97-14-106	434-24-140	AMD	97-21-045	434-30-210	DECOD-P	97-14-106
434-24-010	AMD	97-21-045	434-24-140	DECOD	97-21-045	434-30-210	AMD	97-21-045
434-24-010	DECOD	97-21-045	434-24-150	REP-P	97-14-106	434-30-210	DECOD	97-21-045
434-24-015	AMD-P	97-14-106	434-24-150	REP	97-21-045	434-30-220	REP-P	97-14-106
434-24-015	DECOD-P	97-14-106	434-24-155	REP-P	97-14-106	434-30-220	REP	97-21-045
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434-24-015	DECOD	97-21-045	434-24-160	AMD-P	97-14-106	434-34-010	DECOD	97-21-045
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434-24-020	DECOD-P	97-14-106	434-24-160	AMD	97-21-045	434-34-015	DECOD	97-21-045
434-24-020	AMD	97-21-045	434-24-160	DECOD	97-21-045	434-34-020	DECOD-P	97-14-106
434-24-020	DECOD	97-21-045	434-24-170	REP-P	97-14-106	434-34-020	DECOD	97-21-045
434-24-025	DECOD-P	97-14-106	434-24-170	REP	97-21-045	434-34-025	DECOD-P	97-14-106
434-24-025	DECOD	97-21-045	434-28-012	AMD-P	97-14-106	434-34-025	DECOD	97-21-045
434-24-030	DECOD-P	97-14-106	434-28-012	DECOD-P	97-14-106	434-34-030	DECOD-P	97-14-106
434-24-030	DECOD	97-21-045	434-28-012	AMD-W	97-19-013	434-34-030	DECOD	97-21-045
434-24-035	AMD-P	97-14-106	434-28-012	DECOD	97-21-045	434-34-035	DECOD-P	97-14-106
434-24-035	DECOD-P	97-14-106	434-28-020	DECOD-P	97-14-106	434-34-035	DECOD	97-21-045
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434-24-035	AMD-S	97-21-046	434-28-050	DECOD-P	97-14-106	434-34-040	DECOD	97-21-045
434-24-040	REP-P	97-14-106	434-28-050	DECOD	97-21-045	434-34-045	DECOD-P	97-14-106
434-24-040	REP	97-21-045	434-28-060	DECOD-P	97-14-106	434-34-045	DECOD	97-21-045
434-24-050	AMD-P	97-14-106	434-28-060	DECOD	97-21-045	434-34-050	DECOD-P	97-14-106
434-24-050	DECOD-P	97-14-106	434-30-010	AMD-P	97-14-106	434-34-050	DECOD	97-21-045
434-24-050	DECOD	97-21-045	434-30-010	DECOD-P	97-14-106	434-34-055	DECOD-P	97-14-106
434-24-050	AMD-S	97-21-046	434-30-010	AMD-W	97-19-013	434-34-055	DECOD	97-21-045
434-24-055	REP-P	97-14-106	434-30-010	DECOD	97-21-045	434-34-060	DECOD-P	97-14-106
434-24-055	REP	97-21-045	434-30-020	DECOD-P	97-14-106	434-34-060	DECOD	97-21-045
434-24-060	AMD-P	97-14-106	434-30-020	DECOD	97-21-045	434-34-065	DECOD-P	97-14-106
434-24-060	DECOD-P	97-14-106	434-30-030	AMD-P	97-14-106	434-34-065	DECOD	97-21-045
434-24-060	DECOD	97-21-045	434-30-030	DECOD-P	97-14-106	434-34-070	DECOD-P	97-14-106
434-24-060	AMD-S	97-21-046	434-30-030	DECOD	97-21-045	434-34-070	DECOD	97-21-045
434-24-065	NEW-P	97-09-099	434-30-030	AMD-S	97-21-046	434-34-075	DECOD-P	97-14-106
434-24-065	NEW-E	97-12-039	434-30-040	DECOD-P	97-14-106	434-34-075	DECOD	97-21-045
434-24-065	NEW	97-18-014	434-30-040	DECOD	97-21-045	434-34-080	DECOD-P	97-14-106
434-24-070	REP-P	97-14-106	434-30-050	DECOD-P	97-14-106	434-34-080	DECOD	97-21-045
434-24-070	REP	97-21-045	434-30-050	DECOD	97-21-045	434-34-085	DECOD-P	97-14-106
434-24-080	REP-P	97-14-106	434-30-060	DECOD-P	97-14-106	434-34-085	DECOD	97-21-045
434-24-080	REP	97-21-045	434-30-060	DECOD	97-21-045	434-34-090	AMD-P	97-14-106
434-24-085	AMD-P	97-14-106	434-30-070	DECOD-P	97-14-106	434-34-090	DECOD-P	97-14-106
434-24-085	DECOD-P	97-14-106	434-30-070	DECOD	97-21-045	434-34-090	AMD	97-21-045
434-24-085	DECOD	97-21-045	434-30-080	DECOD-P	97-14-106	434-34-090	DECOD	97-21-045
434-24-085	AMD-S	97-21-046	434-30-080	DECOD	97-21-045	434-34-095	DECOD-P	97-14-106
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434-34-100	DECOD	97-21-045	434-36-180	AMD	97-21-045	434-40-200	DECOD	97-21-045
434-34-105	DECOD-P	97-14-106	434-36-180	DECOD	97-21-045	434-40-210	REP-P	97-14-106
434-34-105	DECOD	97-21-045	434-36-190	REP-P	97-14-106	434-40-210	REP	97-21-045
434-34-110	AMD-P	97-14-106	434-36-190	REP	97-21-045	434-40-220	REP-P	97-14-106
434-34-110	DECOD-P	97-14-106	434-36-200	AMD-P	97-14-106	434-40-220	REP	97-21-045
434-34-110	AMD	97-21-045	434-36-200	DECOD-P	97-14-106	434-40-225	NEW-E	97-13-003
434-34-110	DECOD	97-21-045	434-36-200	AMD	97-21-045	434-40-230	AMD-E	97-13-003
434-34-115	DECOD-P	97-14-106	434-36-200	DECOD	97-21-045	434-40-230	AMD-P	97-14-106
434-34-115	DECOD	97-21-045	434-36-210	AMD-P	97-14-106	434-40-230	DECOD-P	97-14-106
434-36-010	DECOD-P	97-14-106	434-36-210	DECOD-P	97-14-106	434-40-230	AMD-E	97-21-044
434-36-010	DECOD	97-21-045	434-36-210	AMD	97-21-045	434-40-230	DECOD	97-21-045
434-36-020	AMD-P	97-14-106	434-36-210	DECOD	97-21-045	434-40-230	AMD-S	97-21-046
434-36-020	DECOD-P	97-14-106	434-40-005	DECOD-P	97-14-106	434-40-235	NEW-E	97-13-003
434-36-020	AMD	97-21-045	434-40-005	DECOD	97-21-045	434-40-240	AMD-P	97-14-106
434-36-020	DECOD	97-21-045	434-40-010	AMD-P	97-14-106	434-40-240	DECOD-P	97-14-106
434-36-030	AMD-P	97-14-106	434-40-010	DECOD-P	97-14-106	434-40-240	AMD-E	97-21-044
434-36-030	DECOD-P	97-14-106	434-40-010	AMD-E	97-21-044	434-40-240	AMD	97-21-045
434-36-030	AMD	97-21-045	434-40-010	AMD	97-21-045	434-40-240	DECOD	97-21-045
434-36-030	DECOD	97-21-045	434-40-010	DECOD	97-21-045	434-40-250	AMD-P	97-14-106
434-36-040	AMD-P	97-14-106	434-40-020	DECOD-P	97-14-106	434-40-250	DECOD-P	97-14-106
434-36-040	DECOD-P	97-14-106	434-40-020	DECOD	97-21-045	434-40-250	AMD	97-21-045
434-36-040	AMD	97-21-045	434-20-025	DECOD-P	97-14-106	434-40-250	DECOD	97-21-045
434-36-040	DECOD	97-21-045	434-40-025	DECOD	97-21-045	434-40-260	DECOD-P	97-14-106
434-36-050	AMD-P	97-14-106	434-40-030	AMD-P	97-14-106	434-40-260	DECOD	97-21-045
434-36-050	DECOD-P	97-14-106	434-40-030	DECOD-P	97-14-106	434-40-270	AMD-P	97-14-106
434-36-050	AMD	97-21-045	434-40-030	AMD	97-21-045	434-40-270	DECOD-P	97-14-106
434-36-050	DECOD	97-21-045	434-40-030	DECOD	97-21-045	434-40-270	AMD-E	97-21-044
434-36-060	AMD-P	97-14-106	434-40-040	DECOD-P	97-14-106	434-40-270	AMD	97-21-045
434-36-060	DECOD-P	97-14-106	434-40-040	DECOD	97-21-045	434-40-270	DECOD	97-21-045
434-36-060	AMD	97-21-045	434-40-050	AMD-P	97-14-106	434-40-280	REP-P	97-14-106
434-36-060	DECOD	97-21-045	434-40-050	DECOD-P	97-14-106	434-40-280	REP	97-21-045
434-36-070	AMD-P	97-14-106	434-40-050	AMD	97-21-045	434-40-290	AMD-P	97-14-106
434-36-070	DECOD-P	97-14-106	434-40-050	DECOD	97-21-045	434-40-290	DECOD-P	97-14-106
434-36-070	AMD	97-21-045	434-40-060	AMD-P	97-14-106	434-40-290	AMD	97-21-045
434-36-070	DECOD	97-21-045	434-40-060	DECOD-P	97-14-106	434-40-290	DECOD	97-21-045
434-36-080	AMD-P	97-14-106	434-40-060	AMD	97-21-045	434-40-300	DECOD-P	97-14-106
434-36-080	DECOD-P	97-14-106	434-40-060	DECOD	97-21-045	434-40-300	DECOD	97-21-045
434-36-080	AMD	97-21-045	434-40-070	REP-P	97-14-106	434-40-310	REP-E	97-13-003
434-36-080	DECOD	97-21-045	434-40-070	REP	97-21-045	434-40-310	REP-P	97-14-106
434-36-090	AMD-P	97-14-106	434-40-080	REP-P	97-14-106	434-40-310	REP-E	97-21-044
434-36-090	DECOD-P	97-14-106	434-40-080	REP	97-21-045	434-40-310	REP	97-21-045
434-36-090	DECOD	97-21-045	434-40-090	DECOD-P	97-14-106	434-53-010	DECOD-P	97-14-106
434-36-090	AMD-S	97-21-046	434-40-090	DECOD	97-21-045	434-53-010	DECOD	97-21-045
434-36-100	AMD-P	97-14-106	434-40-100	DECOD-P	97-14-106	434-53-020	AMD-P	97-14-106
434-36-100	DECOD-P	97-14-106	434-40-100	DECOD	97-21-045	434-53-020	DECOD-P	97-14-106
434-36-100	AMD	97-21-045	434-40-110	DECOD-P	97-14-106	434-53-020	AMD	97-21-045
434-36-100	DECOD	97-21-045	434-40-110	DECOD	97-21-045	434-53-020	DECOD	97-21-045
434-36-110	AMD-P	97-14-106	434-40-120	DECOD-P	97-14-106	434-53-030	AMD-P	97-14-106
434-36-110	DECOD-P	97-14-106	434-40-120	DECOD	97-21-045	434-53-030	DECOD-P	97-14-106
434-36-110	AMD	97-21-045	434-40-130	AMD-P	97-14-106	434-53-030	AMD	97-21-045
434-36-110	DECOD	97-21-045	434-40-130	DECOD-P	97-14-106	434-53-030	DECOD	97-21-045
434-36-120	AMD-E	97-13-003	434-40-130	AMD	97-21-045	434-53-040	AMD-P	97-14-106
434-36-120	AMD-P	97-14-106	434-40-130	DECOD	97-21-045	434-53-040	DECOD-P	97-14-106
434-36-120	DECOD-P	97-14-106	434-40-140	REP-P	97-14-106	434-53-040	AMD	97-21-045
434-36-120	AMD	97-21-045	434-40-140	REP	97-21-045	434-53-040	DECOD	97-21-045
434-36-120	DECOD	97-21-045	434-40-150	DECOD-P	97-14-106	434-53-050	AMD-P	97-14-106
434-36-130	REP-P	97-14-106	434-40-150	DECOD	97-21-045	434-53-050	DECOD-P	97-14-106
434-36-130	REP	97-21-045	434-40-160	AMD-P	97-14-106	434-53-050	AMD-E	97-21-044
434-36-140	AMD-P	97-14-106	434-40-160	DECOD-P	97-14-106	434-53-050	DECOD	97-21-045
434-36-140	DECOD-P	97-14-106	434-40-160	AMD	97-21-045	434-53-050	AMD-S	97-21-046
434-36-140	AMD	97-21-045	434-40-160	DECOD	97-21-045	434-53-060	DECOD-P	97-14-106
434-36-140	DECOD	97-21-045	434-40-170	REP-P	97-14-106	434-53-060	DECOD	97-21-045
434-36-150	REP-P	97-14-106	434-40-170	REP	97-21-045	434-53-070	DECOD-P	97-14-106
434-36-150	REP	97-21-045	434-40-180	DECOD-P	97-14-106	434-53-070	DECOD	97-21-045
434-36-160	DECOD-P	97-14-106	434-40-180	DECOD	97-21-045	434-53-080	DECOD-P	97-14-106
434-36-160	DECOD	97-21-045	434-40-190	AMD-P	97-14-106	434-53-080	DECOD	97-21-045
434-36-170	AMD-P	97-14-106	434-40-190	DECOD-P	97-14-106	434-53-090	AMD-P	97-14-106
434-36-170	DECOD-P	97-14-106	434-40-190	AMD-E	97-21-044	434-53-090	DECOD-P	97-14-106
434-36-170	DECOD	97-21-045	434-40-190	DECOD	97-21-045	434-53-090	AMD	97-21-045
434-36-170	AMD-S	97-21-046	434-40-190	AMD-S	97-21-046	434-53-090	DECOD	97-21-045
434-36-180	AMD-E	97-13-003	434-40-200	AMD-P	97-14-106	434-53-100	AMD-P	97-14-106
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434-53-100	DECOD	97-21-045	434-61-010	AMD-P	97-14-106	434-120-040	NEW-P	97-08-076
434-53-110	AMD-P	97-14-106	434-61-010	DECOD-P	97-14-106	434-120-040	NEW	97-16-035
434-53-110	DECOD-P	97-14-106	434-61-010	AMD	97-21-045	434-120-105	AMD-P	97-08-076
434-53-110	DECOD	97-21-045	434-61-010	DECOD	97-21-045	434-120-105	AMD-S	97-16-034
434-53-110	AMD-S	97-21-046	434-61-020	AMD-P	97-14-106	434-120-105	AMD	97-19-043
434-53-120	AMD-P	97-14-106	434-61-020	DECOD-P	97-14-106	434-120-130	AMD-P	97-08-076
434-53-120	DECOD-P	97-14-106	434-61-020	AMD	97-21-045	434-120-130	AMD	97-16-035
434-53-120	AMD	97-21-045	434-61-020	DECOD	97-21-045	434-120-210	AMD-P	97-13-093
434-53-120	DECOD	97-21-045	434-61-030	DECOD-P	97-14-106	434-120-210	AMD	97-16-036
434-53-130	DECOD-P	97-14-106	434-61-030	DECOD	97-21-045	434-120-212	NEW-P	97-13-093
434-53-130	DECOD	97-21-045	434-61-040	AMD-P	97-14-106	434-120-212	NEW	97-16-036
434-53-140	DECOD-P	97-14-106	434-61-040	AMD-E	97-21-044	434-120-215	AMD-P	97-08-076
434-53-140	DECOD	97-21-045	434-61-040	DECOD-P	97-14-106	434-120-215	AMD	97-16-035
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434-53-150	DECOD-P	97-14-106	434-61-040	DECOD	97-21-045	434-120-250	AMD	97-16-036
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434-53-150	DECOD	97-21-045	434-61-050	REP	97-21-045	434-120-255	AMD	97-16-035
434-53-160	AMD-P	97-14-106	434-61-060	DECOD-P	97-14-106	434-180-100	NEW	97-24-053
434-53-160	DECOD-P	97-14-106	434-61-060	DECOD	97-21-045	434-180-110	NEW	97-24-053
434-53-160	AMD	97-21-045	434-62-005	DECOD-P	97-14-106	434-180-120	NEW	97-24-053
434-53-160	DECOD	97-21-045	434-62-005	DECOD	97-21-045	434-180-130	NEW	97-24-053
434-53-170	AMD-P	97-14-106	434-62-010	DECOD-P	97-14-106	434-180-200	NEW	97-24-053
434-53-170	DECOD-P	97-14-106	434-62-010	DECOD	97-21-045	434-180-205	NEW	97-24-053
434-53-170	AMD	97-21-045	434-62-020	AMD-P	97-14-106	434-180-210	NEW	97-24-053
434-53-170	DECOD	97-21-045	434-62-020	DECOD-P	97-14-106	434-180-215	NEW	97-24-053
434-53-180	DECOD-P	97-14-106	434-62-020	DECOD	97-21-045	434-180-220	NEW	97-24-053
434-53-180	DECOD	97-21-045	434-62-030	AMD-P	97-14-106	434-180-225	NEW	97-24-053
434-53-190	AMD-P	97-14-106	434-62-030	DECOD-P	97-14-106	434-180-235	NEW	97-24-053
434-53-190	DECOD-P	97-14-106	434-62-030	AMD	97-21-045	434-180-240	NEW	97-24-053
434-53-190	AMD	97-21-045	434-62-030	DECOD	97-21-045	434-180-245	NEW	97-24-053
434-53-190	DECOD	97-21-045	434-62-040	AMD-P	97-14-106	434-180-250	NEW	97-24-053
434-53-200	AMD-P	97-14-106	434-62-040	DECOD-P	97-14-106	434-180-255	NEW	97-24-053
434-53-200	DECOD-P	97-14-106	434-62-040	AMD-E	97-21-044	434-180-260	NEW	97-24-053
434-53-200	AMD	97-21-045	434-62-040	AMD	97-21-045	434-180-265	NEW	97-24-053
434-53-200	DECOD	97-21-045	434-62-040	DECOD	97-21-045	434-180-270	NEW	97-24-053
434-53-210	AMD-P	97-14-106	434-62-050	DECOD-P	97-14-106	434-180-275	NEW	97-24-053
434-53-210	DECOD-P	97-14-106	434-62-050	DECOD	97-21-045	434-180-300	NEW	97-24-053
434-53-210	AMD	97-21-045	434-62-060	DECOD-P	97-14-106	434-180-310	NEW	97-24-053
434-53-210	DECOD	97-21-045	434-62-060	DECOD	97-21-045	434-180-320	NEW	97-24-053
434-53-220	AMD	97-21-045	434-62-070	DECOD-P	97-14-106	434-180-330	NEW	97-24-053
434-53-220	AMD-P	97-14-106	434-62-070	DECOD	97-21-045	434-180-340	NEW	97-24-053
434-53-220	DECOD-P	97-14-106	434-62-080	DECOD-P	97-14-106	434-180-350	NEW	97-24-053
434-53-220	DECOD	97-21-045	434-62-080	DECOD	97-21-045	434-180-360	NEW	97-24-053
434-53-230	AMD-P	97-14-106	434-62-090	DECOD-P	97-14-106	434-180-370	NEW	97-24-053
434-53-230	DECOD-P	97-14-106	434-62-090	DECOD	97-21-045	434-180-400	NEW	97-24-053
434-53-230	AMD	97-21-045	434-62-100	DECOD-P	97-14-106	434-180-410	NEW	97-24-053
434-53-230	DECOD	97-21-045	434-62-100	DECOD	97-21-045	434-180-420	NEW	97-24-053
434-53-240	DECOD-P	97-14-106	434-62-110	DECOD-P	97-14-106	434-180-430	NEW	97-24-053
434-53-240	DECOD	97-21-045	434-62-110	DECOD	97-21-045	434-180-440	NEW	97-24-053
434-53-250	DECOD-P	97-14-106	434-62-120	DECOD-P	97-14-106	434-180-450	NEW	97-24-053
434-53-250	DECOD	97-21-045	434-62-120	DECOD	97-21-045	434-180-500	NEW	97-24-053
434-53-260	DECOD-P	97-14-106	434-62-130	DECOD-P	97-14-106	434-180-510	NEW	97-24-053
434-53-260	DECOD	97-21-045	434-62-130	DECOD	97-21-045	434-180-520	NEW	97-24-053
434-53-270	AMD-P	97-14-106	434-62-140	DECOD-P	97-14-106	434-180-530	NEW	97-24-053
434-53-270	DECOD-P	97-14-106	434-62-140	DECOD	97-21-045	434-180-540	NEW	97-24-053
434-53-270	AMD	97-21-045	434-62-150	DECOD-P	97-14-106	434-180-550	NEW	97-24-053
434-53-270	DECOD	97-21-045	434-62-150	DECOD	97-21-045	434-180-560	NEW	97-24-053
434-53-280	AMD-P	97-14-106	434-62-160	DECOD-P	97-14-106	434-180-590	NEW	97-24-053
434-53-280	DECOD-P	97-14-106	434-62-160	DECOD	97-21-045	434-200-100	NEW-P	97-20-151
434-53-280	AMD	97-21-045	434-62-170	DECOD-P	97-14-106	434-200-110	NEW-P	97-20-151
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434-53-300	DECOD	97-21-045	434-79-010	DECOD-P	97-14-106	434-200-235	NEW-P	97-20-151
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434-53-310	DECOD	97-21-045	434-79-010	DECOD	97-21-045	434-200-245	NEW-P	97-20-151
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434-253-190	RECOD	97-21-045	434-262-070	RECOD-P	97-14-106	434-334-035	RECOD	97-21-045
434-253-200	RECOD-P	97-14-106	434-262-070	RECOD	97-21-045	434-334-040	RECOD-P	97-14-106
434-253-200	RECOD	97-21-045	434-262-080	RECOD-P	97-14-106	434-334-040	RECOD	97-21-045
434-253-210	RECOD-P	97-14-106	434-262-080	RECOD	97-21-045	434-334-045	RECOD-P	97-14-106
434-253-210	RECOD	97-21-045	434-262-090	RECOD-P	97-14-106	434-334-045	RECOD	97-21-045
434-253-220	RECOD-P	97-14-106	434-262-090	RECOD	97-21-045	434-334-050	RECOD-P	97-14-106
434-253-220	RECOD	97-21-045	434-262-100	RECOD-P	97-14-106	434-334-050	RECOD	97-21-045
434-253-230	RECOD-P	97-14-106	434-262-100	RECOD	97-21-045	434-334-055	RECOD-P	97-14-106
434-253-230	RECOD	97-21-045	434-262-110	RECOD-P	97-14-106	434-334-055	RECOD	97-21-045
434-253-240	RECOD-P	97-14-106	434-262-110	RECOD	97-21-045	434-334-060	RECOD-P	97-14-106
434-253-240	RECOD	97-21-045	434-262-120	RECOD-P	97-14-106	434-334-060	RECOD	97-21-045
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434-253-250	RECOD	97-21-045	434-262-130	RECOD-P	97-14-106	434-334-065	RECOD	97-21-045
434-253-260	RECOD-P	97-14-106	434-262-130	RECOD	97-21-045	434-334-070	RECOD-P	97-14-106
434-253-260	RECOD	97-21-045	434-262-140	RECOD-P	97-14-106	434-334-070	RECOD	97-21-045
434-253-270	RECOD-P	97-14-106	434-262-140	RECOD	97-21-045	434-334-075	RECOD-P	97-14-106
434-253-270	RECOD	97-21-045	434-262-150	RECOD-P	97-14-106	434-334-075	RECOD	97-21-045
434-253-280	RECOD-P	97-14-106	434-262-150	RECOD	97-21-045	434-334-080	RECOD-P	97-14-106
434-253-280	RECOD	97-21-045	434-262-160	RECOD-P	97-14-106	434-334-080	RECOD	97-21-045
434-253-290	RECOD-P	97-14-106	434-262-160	RECOD	97-21-045	434-334-085	RECOD-P	97-14-106
434-253-290	RECOD	97-21-045	434-262-170	RECOD-P	97-14-106	434-334-085	RECOD	97-21-045
434-253-300	RECOD-P	97-14-106	434-262-170	RECOD	97-21-045	434-334-090	RECOD-P	97-14-106
434-253-300	RECOD	97-21-045	434-262-180	RECOD-P	97-14-106	434-334-090	RECOD	97-21-045
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434-253-320	RECOD	97-21-045	434-262-200	RECOD-P	97-14-106	434-334-100	RECOD	97-21-045
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434-261-010	RECOD	97-21-045	434-324-015	RECOD	97-21-045	434-334-115	RECOD-P	97-14-106
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434-261-040	RECOD	97-21-045	434-324-030	RECOD	97-21-045	440-22-005	AMD	97-03-062
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434-261-070	NEW	97-21-045	434-324-060	RECOD-P	97-14-106	440-22-200	AMD-S	97-08-073
434-261-080	NEW-P	97-14-106	434-324-060	RECOD	97-21-045	440-22-200	AMD	97-13-050
434-261-080	NEW-E	97-21-044	434-324-085	RECOD-P	97-14-106	440-22-220	AMD-S	97-08-073
434-261-080	NEW	97-21-045	434-324-085	RECOD	97-21-045	440-22-220	AMD	97-13-050
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434-261-100	NEW-P	97-14-106	434-324-105	RECOD	97-21-045	440-22-225	AMD-S	97-08-073
434-261-100	NEW	97-21-045	434-324-110	RECOD-P	97-14-106	440-22-225	AMD	97-13-050
434-262-005	RECOD-P	97-14-106	434-324-110	RECOD	97-21-045	440-22-230	AMD-S	97-08-073
434-262-005	RECOD	97-21-045	434-324-115	RECOD-P	97-14-106	440-22-230	AMD	97-13-050
434-262-010	RECOD-P	97-14-106	434-324-115	RECOD	97-21-045	440-22-240	AMD-S	97-08-073
434-262-010	RECOD	97-21-045	434-324-120	RECOD-P	97-14-106	440-22-240	AMD	97-13-050
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434-262-020	RECOD-P	97-14-106	434-324-130	RECOD	97-21-045	440-22-253	NEW-S	97-08-073
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434-262-025	NEW-P	97-14-106	434-324-140	RECOD	97-21-045	440-22-255	NEW-S	97-08-073
434-262-025	NEW	97-21-045	434-324-160	RECOD-P	97-14-106	440-22-255	NEW	97-13-050
434-262-030	RECOD-P	97-14-106	434-324-160	RECOD	97-21-045	440-22-257	NEW-S	97-08-073
434-262-030	RECOD	97-21-045	434-334-010	RECOD-P	97-14-106	440-22-257	NEW	97-13-050
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434-262-050	RECOD-P	97-14-106	434-334-025	RECOD	97-21-045	440-22-310	AMD-S	97-08-073
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440-22-335	AMD	97-13-050	458-20-17401	AMD	97-11-022	461-08-570	AMD	97-19-063
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446-20-285	AMD	97-05-048	458-40-660	AMD	97-14-068	463-30-300	AMD	98-01-083
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446-20-500	AMD	98-01-021	460-21B-050	AMD	97-03-122	463-30-335	AMD	98-01-084
446-20-510	AMD	97-05-048	460-21B-080	REP	97-03-122	463-47-020	AMD-XA	97-19-060
446-20-510	PREP	97-17-058	460-22B-070	REP	97-03-122	463-47-020	AMD	98-01-082
446-20-510	AMD-P	97-21-020	460-22B-080	REP	97-03-122	463-47-120	AMD-XA	97-19-060
446-20-510	AMD	98-01-021	460-22B-090	AMD-P	97-13-076	463-47-120	AMD	98-01-082
446-20-520	AMD	97-05-048	460-22B-090	AMD	97-16-050	463-54-070	AMD-XA	97-19-058
446-20-525	PREP	97-17-058	460-24A	PREP	97-08-059	466-02-010	REP-P	97-12-074
446-20-525	AMD-P	97-21-020	460-24A-040	AMD-P	97-13-076	466-02-010	REP	97-15-110
446-20-525	AMD	98-01-021	460-24A-040	AMD	97-16-050	466-03-010	REP-P	97-12-074
446-20-530	AMD	97-05-048	460-24A-045	AMD-P	97-13-076	466-03-010	REP	97-15-110
456-12	PREP	98-02-021	460-24A-045	AMD	97-16-050	466-03-020	REP-P	97-12-074
458-10-010	NEW	97-08-068	460-24A-046	REP	97-03-122	466-03-020	REP	97-15-110
458-10-020	NEW	97-08-068	460-24A-050	AMD-P	97-13-076	466-03-030	REP-P	97-12-074
458-10-030	NEW	97-08-068	460-24A-050	AMD	97-16-050	466-03-030	REP	97-15-110
458-10-040	NEW	97-08-068	460-24A-170	AMD-P	97-13-076	466-03-040	REP-P	97-12-074
458-10-050	NEW	97-08-068	460-24A-170	AMD	97-16-050	466-03-040	REP	97-15-110
458-10-060	NEW	97-08-068	460-40A-015	PREP-XR	97-20-073	466-03-050	REP-P	97-12-074
458-10-070	NEW	97-08-068	460-40A-015	REP	98-01-071	466-03-050	REP	97-15-110
458-12-130	PREP-X	97-14-043	460-40A-020	PREP-XR	97-20-073	466-03-060	REP-P	97-12-074
458-12-130	REP	97-21-004	460-40A-020	REP	98-01-071	466-03-060	REP	97-15-110
458-12-185	PREP-X	97-14-043	460-40A-040	PREP-XR	97-20-073	466-03-070	REP-P	97-12-074
458-12-185	REP	97-21-004	460-40A-040	REP	98-01-071	466-03-070	REP	97-15-110
458-12-340	PREP-X	97-14-043	460-42A-082	NEW-P	97-13-077	466-03-080	REP-P	97-12-074
458-12-340	REP	97-21-004	460-42A-082	NEW	97-16-051	466-03-080	REP	97-15-110
458-12-341	PREP-X	97-14-043	460-44A-300	NEW-P	97-08-061	466-03-090	REP-P	97-12-074
458-12-341	REP	97-21-004	460-44A-300	NEW	97-16-121	466-03-090	REP	97-15-110
458-12-345	PREP-X	97-14-043	460-44A-506	PREP	97-08-057	466-03-100	REP-P	97-12-074
458-12-345	REP	97-21-004	460-65A-010	PREP-XR	97-20-027	466-03-100	REP	97-15-110
458-12-355	PREP-X	97-14-043	460-65A-010	REP	98-01-072	466-03-110	REP-P	97-12-074
458-12-355	REP	97-21-004	460-65A-020	PREP-XR	97-20-027	466-03-110	REP	97-15-110
458-12-365	PREP-X	97-14-043	460-65A-020	REP	98-01-072	466-03-120	REP-P	97-12-074
458-12-365	REP	97-21-004	460-65A-030	PREP-XR	97-20-027	466-03-120	REP	97-15-110
458-12-370	PREP-X	97-14-043	460-65A-030	REP	98-01-072	466-03-130	REP-P	97-12-074
458-12-370	REP	97-21-004	460-65A-040	PREP-XR	97-20-027	466-03-130	REP	97-15-110
458-12-375	PREP-X	97-14-043	460-65A-040	REP	98-01-072	466-03-900	REP-P	97-12-074
458-12-375	REP	97-21-004	460-65A-100	PREP-XR	97-20-027	466-03-900	REP	97-15-110
458-12-385	PREP-X	97-14-043	460-65A-100	REP	98-01-072	466-04-010	REP-P	97-12-074
458-12-385	REP	97-21-004	460-65A-105	PREP-XR	97-20-027	466-04-010	REP	97-15-110
458-18-210	AMD-XA	97-21-095	460-65A-105	REP	98-01-072	466-04-020	REP-P	97-12-074
458-18-210	AMD	98-01-176	460-65A-110	PREP-XR	97-20-027	466-04-020	REP	97-15-110
458-18-220	AMD-XA	97-21-098	460-65A-110	REP	98-01-072	466-04-030	REP-P	97-12-074
458-18-220	AMD	98-01-177	460-65A-115	PREP-XR	97-20-027	466-04-030	REP	97-15-110
458-20-101	AMD	97-08-050	460-65A-115	REP	98-01-072	466-04-040	REP-P	97-12-074
458-20-104	AMD	97-08-050	460-65A-125	PREP-XR	97-20-027	466-04-040	REP	97-15-110
458-20-104	AMD-E	97-19-033	460-65A-125	REP	98-01-072	466-04-050	REP-P	97-12-074
458-20-137	PREP-XR	97-21-003	461-08-310	AMD-E	97-12-004	466-04-050	REP	97-15-110
458-20-137	REP	98-01-111	461-08-310	AMD-P	97-15-057	466-04-060	REP-P	97-12-074
458-20-14601	NEW	97-11-033	461-08-310	AMD	97-19-063	466-04-060	REP	97-15-110

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
466-04-070	REP-P	97-12-074	468-86-080	NEW-P	97-06-005	478-116-070	REP-P	97-09-071
466-04-070	REP	97-15-110	468-86-080	NEW	97-09-046	478-116-070	REP	97-14-005
466-07-010	REP-P	97-12-074	468-86-090	NEW-P	97-06-005	478-116-071	NEW-P	97-09-071
466-07-010	REP-E	97-15-109	468-86-090	NEW	97-09-046	478-116-071	NEW	97-14-005
466-07-010	REP	97-15-110	468-86-100	NEW-P	97-06-005	478-116-080	REP-P	97-09-071
466-08-010	REP-P	97-12-074	468-86-100	NEW	97-09-046	478-116-080	REP	97-14-005
466-08-010	REP	97-15-110	468-86-110	NEW-P	97-06-005	478-116-088	REP-P	97-09-071
466-08-020	REP-P	97-12-074	468-86-110	NEW	97-09-046	478-116-088	REP	97-14-005
466-08-020	REP	97-15-110	468-86-120	NEW-P	97-06-005	478-116-090	REP-P	97-09-071
466-08-030	REP-P	97-12-074	468-86-120	NEW	97-09-046	478-116-090	REP	97-14-005
466-08-030	REP	97-15-110	468-86-130	NEW-P	97-06-005	478-116-095	REP-P	97-09-071
466-08-040	REP-P	97-12-074	468-86-130	NEW	97-09-046	478-116-095	REP	97-14-005
466-08-040	REP	97-15-110	468-86-140	NEW-P	97-06-005	478-116-100	REP-P	97-09-071
466-08-050	REP-P	97-12-074	468-86-140	NEW	97-09-046	478-116-100	REP	97-14-005
466-08-050	REP	97-15-110	468-86-150	NEW-P	97-06-005	478-116-101	NEW-P	97-09-071
466-08-060	REP-P	97-12-074	468-86-150	NEW	97-09-046	478-116-101	NEW	97-14-005
466-08-060	REP	97-15-110	468-86-160	NEW-P	97-06-005	478-116-110	REP-P	97-09-071
466-08-070	REP-P	97-12-074	468-86-160	NEW	97-09-046	478-116-110	REP	97-14-005
466-08-070	REP	97-15-110	468-105	PREP	97-08-016	478-116-111	NEW-P	97-09-071
466-08-080	REP-P	97-12-074	468-105-020	AMD-P	97-11-040	478-116-111	NEW	97-14-005
466-08-080	REP	97-15-110	468-105-020	AMD	97-14-037	478-116-114	NEW-P	97-09-071
466-08-090	REP-P	97-12-074	468-105-040	AMD-P	97-11-040	478-116-114	NEW	97-14-005
466-08-090	REP	97-15-110	468-105-040	AMD	97-14-037	478-116-116	NEW-P	97-09-071
468-16-030	AMD-P	97-05-007	468-105-050	AMD-P	97-11-040	478-116-116	NEW	97-14-005
468-16-030	AMD	97-09-045	468-105-050	AMD	97-14-037	478-116-120	REP-P	97-09-071
468-16-080	AMD-P	97-05-007	468-105-060	AMD-P	97-11-040	478-116-120	REP	97-14-005
468-16-080	AMD	97-09-045	468-105-060	AMD	97-14-037	478-116-121	NEW-P	97-09-071
468-16-090	AMD-P	97-05-007	468-105-070	AMD-P	97-11-040	478-116-121	NEW	97-14-005
468-16-090	AMD	97-09-045	468-105-070	AMD	97-14-037	478-116-125	NEW-P	97-09-071
468-16-100	AMD-P	97-05-007	468-105-080	AMD-P	97-11-040	478-116-125	NEW	97-14-005
468-16-100	AMD	97-09-045	468-105-080	AMD	97-14-037	478-116-130	REP-P	97-09-071
468-16-120	AMD-P	97-05-007	468-200-080	AMD	97-03-064	478-116-130	REP	97-14-005
468-16-120	AMD	97-09-045	468-200-160	AMD	97-03-064	478-116-131	NEW-P	97-09-071
468-16-130	AMD-P	97-05-007	468-200-350	AMD	97-03-064	478-116-131	NEW	97-14-005
468-16-130	AMD	97-09-045	468-300-010	PREP	97-24-063	478-116-140	REP-P	97-09-071
468-16-140	AMD-P	97-05-007	468-300-020	PREP	97-24-063	478-116-140	REP	97-14-005
468-16-140	AMD	97-09-045	468-300-040	PREP	97-24-063	478-116-141	NEW-P	97-09-071
468-16-150	AMD-P	97-05-007	468-300-210	PREP	97-03-118	478-116-141	NEW	97-14-005
468-16-150	AMD	97-09-045	468-300-210	REP-P	97-12-074	478-116-145	NEW-P	97-09-071
468-16-160	AMD-P	97-05-007	468-300-210	REP-E	97-15-109	478-116-145	NEW	97-14-005
468-16-160	AMD	97-09-045	468-300-210	REP	97-15-110	478-116-147	NEW-P	97-09-071
468-16-170	AMD-P	97-05-007	468-300-220	NEW-P	97-12-074	478-116-147	NEW	97-14-005
468-16-170	AMD	97-09-045	468-300-220	NEW-E	97-15-109	478-116-151	NEW-P	97-09-071
468-16-180	AMD-P	97-05-007	468-300-220	NEW	97-15-110	478-116-151	NEW	97-14-005
468-16-180	AMD	97-09-045	468-400-010	PREP	97-23-002	478-116-160	REP-P	97-09-071
468-34-010	PREP	97-21-028	468-400-020	PREP	97-23-002	478-116-160	REP	97-14-005
468-34-020	PREP	97-21-028	468-400-030	PREP	97-23-002	478-116-161	NEW-P	97-09-071
468-34-120	PREP	97-21-028	468-400-040	PREP	97-23-002	478-116-161	NEW	97-14-005
468-34-150	PREP	97-21-028	468-500-001	NEW	97-06-002	478-116-163	NEW-P	97-09-071
468-34-210	PREP	97-21-028	478-04-020	AMD-P	97-08-062	478-116-163	NEW	97-14-005
468-34-330	PREP	97-21-028	478-04-020	AMD	97-14-004	478-116-165	NEW-P	97-09-071
468-38-070	PREP	98-02-032	478-108-020	AMD-P	97-08-062	478-116-165	NEW	97-14-005
468-66	PREP	97-09-070	478-108-020	AMD	97-14-004	478-116-167	NEW-P	97-09-071
468-66-010	AMD-P	97-13-028	478-116-010	AMD-P	97-09-071	478-116-167	NEW	97-14-005
468-66-010	AMD	97-17-010	478-116-010	AMD	97-14-005	478-116-170	REP-P	97-09-071
468-66-030	AMD-P	97-13-028	478-116-020	AMD-P	97-09-071	478-116-170	REP	97-14-005
468-66-030	AMD	97-17-010	478-116-020	AMD	97-14-005	478-116-171	NEW-P	97-09-071
468-66-150	AMD-P	97-13-028	478-116-030	AMD-P	97-09-071	478-116-171	NEW	97-14-005
468-66-150	AMD	97-17-010	478-116-030	AMD	97-14-005	478-116-180	REP-P	97-09-071
468-86-010	NEW-P	97-06-005	478-116-044	NEW-P	97-09-071	478-116-180	REP	97-14-005
468-86-010	NEW	97-09-046	478-116-044	NEW	97-14-005	478-116-181	NEW-P	97-09-071
468-86-020	NEW-P	97-06-005	478-116-046	NEW-P	97-09-071	478-116-181	NEW	97-14-005
468-86-020	NEW	97-09-046	478-116-046	NEW	97-14-005	478-116-184	NEW-P	97-09-071
468-86-030	NEW-P	97-06-005	478-116-050	REP-P	97-09-071	478-116-184	NEW	97-14-005
468-86-030	NEW	97-09-046	478-116-050	REP	97-14-005	478-116-186	NEW-P	97-09-071
468-86-040	NEW-P	97-06-005	478-116-051	NEW-P	97-09-071	478-116-186	NEW	97-14-005
468-86-040	NEW	97-09-046	478-116-051	NEW	97-14-005	478-116-190	REP-P	97-09-071
468-86-050	NEW-P	97-06-005	478-116-055	REP-P	97-09-071	478-116-190	REP	97-14-005
468-86-050	NEW	97-09-046	478-116-055	REP	97-14-005	478-116-191	NEW-P	97-09-071
468-86-060	NEW-P	97-06-005	478-116-060	REP-P	97-09-071	478-116-191	NEW	97-14-005
468-86-060	NEW	97-09-046	478-116-060	REP	97-14-005	478-116-200	REP-P	97-09-071
468-86-070	NEW-P	97-06-005	478-116-061	NEW-P	97-09-071	478-116-200	REP	97-14-005
468-86-070	NEW	97-09-046	478-116-061	NEW	97-14-005	478-116-201	NEW-P	97-09-071

Table of WAC Sections Affected as of 12/31/97

WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
478-116-201	NEW	97-14-005	478-116-380	REP-P	97-09-071	478-136-010	AMD-P	97-18-064
478-116-210	REP-P	97-09-071	478-116-380	REP	97-14-005	478-136-010	AMD	97-24-047
478-116-210	REP	97-14-005	478-116-390	REP-P	97-09-071	478-136-012	AMD-P	97-18-064
478-116-211	NEW-P	97-09-071	478-116-390	REP	97-14-005	478-136-012	AMD	97-24-047
478-116-211	NEW	97-14-005	478-116-400	REP-P	97-09-071	478-136-015	AMD-P	97-18-064
478-116-220	REP-P	97-09-071	478-116-400	REP	97-14-005	478-136-015	AMD	97-24-047
478-116-220	REP	97-14-005	478-116-401	NEW-P	97-09-071	478-136-025	AMD-P	97-18-064
478-116-221	NEW-P	97-09-071	478-116-401	NEW	97-14-005	478-136-025	AMD	97-24-047
478-116-221	NEW	97-14-005	478-116-411	NEW-P	97-09-071	478-136-030	AMD-P	97-18-064
478-116-223	NEW-P	97-09-071	478-116-411	NEW	97-14-005	478-136-030	AMD	97-24-047
478-116-223	NEW	97-14-005	478-116-421	NEW-P	97-09-071	478-136-040	REP-P	97-18-064
478-116-225	NEW-P	97-09-071	478-116-421	NEW	97-14-005	478-136-040	REP	97-24-047
478-116-225	NEW	97-14-005	478-116-431	NEW-P	97-09-071	478-136-060	AMD-P	97-18-064
478-116-227	NEW-P	97-09-071	478-116-431	NEW	97-14-005	478-136-060	AMD	97-24-047
478-116-227	NEW	97-14-005	478-116-440	REP-P	97-09-071	478-156	PREP	97-16-101
478-116-230	REP-P	97-09-071	478-116-440	REP	97-14-005	478-156	AMD-P	97-20-085
478-116-230	REP	97-14-005	478-116-450	REP-P	97-09-071	478-156	AMD	97-24-048
478-116-231	NEW-P	97-09-071	478-116-450	REP	97-14-005	478-156-010	AMD-P	97-20-085
478-116-231	NEW	97-14-005	478-116-460	REP-P	97-09-071	478-156-010	AMD	97-24-048
478-116-240	REP-P	97-09-071	478-116-460	REP	97-14-005	478-156-011	AMD-P	97-20-085
478-116-240	REP	97-14-005	478-116-501	NEW-P	97-09-071	478-156-011	AMD	97-24-048
478-116-241	NEW-P	97-09-071	478-116-501	NEW	97-14-005	478-156-012	AMD-P	97-20-085
478-116-241	NEW	97-14-005	478-116-520	AMD-P	97-09-071	478-156-012	AMD	97-24-048
478-116-245	NEW-P	97-09-071	478-116-520	AMD	97-14-005	478-156-013	AMD-P	97-20-085
478-116-245	NEW	97-14-005	478-116-531	NEW-P	97-09-071	478-156-013	AMD	97-24-048
478-116-250	REP-P	97-09-071	478-116-531	NEW	97-14-005	478-156-014	AMD-P	97-20-085
478-116-250	REP	97-14-005	478-116-540	REP-P	97-09-071	478-156-014	AMD	97-24-048
478-116-251	NEW-P	97-09-071	478-116-540	REP	97-14-005	478-156-015	AMD-P	97-20-085
478-116-251	NEW	97-14-005	478-116-541	NEW-P	97-09-071	478-156-015	AMD	97-24-048
478-116-253	NEW-P	97-09-071	478-116-541	NEW	97-14-005	478-156-016	AMD-P	97-20-085
478-116-253	NEW	97-14-005	478-116-550	REP-P	97-09-071	478-156-016	AMD	97-24-048
478-116-255	NEW-P	97-09-071	478-116-550	REP	97-14-005	478-156-017	AMD-P	97-20-085
478-116-255	NEW	97-14-005	478-116-551	NEW-P	97-09-071	478-156-017	AMD	97-24-048
478-116-260	REP-P	97-09-071	478-116-551	NEW	97-14-005	478-156-018	AMD-P	97-20-085
478-116-260	REP	97-14-005	478-116-561	NEW-P	97-09-071	478-156-018	AMD	97-24-048
478-116-261	NEW-P	97-09-071	478-116-561	NEW	97-14-005	478-160	PREP	97-20-084
478-116-261	NEW	97-14-005	478-116-570	REP-P	97-09-071	478-160-035	AMD-P	97-08-062
478-116-270	REP-P	97-09-071	478-116-570	REP	97-14-005	478-160-035	AMD	97-14-004
478-116-270	REP	97-14-005	478-116-580	REP-P	97-09-071	478-160-040	AMD-P	97-08-062
478-116-271	NEW-P	97-09-071	478-116-580	REP	97-14-005	478-160-040	AMD	97-14-004
478-116-271	NEW	97-14-005	478-116-582	REP-P	97-09-071	478-160-050	AMD-P	97-08-062
478-116-280	REP-P	97-09-071	478-116-582	REP	97-14-005	478-160-050	AMD	97-14-004
478-116-280	REP	97-14-005	478-116-584	REP-P	97-09-071	478-160-060	AMD-P	97-08-062
478-116-281	NEW-P	97-09-071	478-116-584	REP	97-14-005	478-160-060	AMD	97-14-004
478-116-281	NEW	97-14-005	478-116-586	REP-P	97-09-071	478-160-065	AMD-P	97-08-062
478-116-290	REP-P	97-09-071	478-116-586	REP	97-14-005	478-160-065	AMD	97-14-004
478-116-290	REP	97-14-005	478-116-588	REP-P	97-09-071	478-160-085	AMD-P	97-08-062
478-116-291	NEW-P	97-09-071	478-116-588	REP	97-14-005	478-160-085	AMD	97-14-004
478-116-291	NEW	97-14-005	478-116-589	REP-P	97-09-071	478-160-105	AMD-P	97-08-062
478-116-300	REP-P	97-09-071	478-116-589	REP	97-14-005	478-160-105	AMD	97-14-004
478-116-300	REP	97-14-005	478-116-590	REP-P	97-09-071	478-160-110	AMD-P	97-08-062
478-116-301	NEW-P	97-09-071	478-116-590	REP	97-14-005	478-160-110	AMD	97-14-004
478-116-301	NEW	97-14-005	478-116-601	REP-P	97-09-071	478-160-120	AMD-P	97-08-062
478-116-310	REP-P	97-09-071	478-116-601	REP	97-14-005	478-160-120	AMD	97-14-004
478-116-310	REP	97-14-005	478-116-605	NEW-P	97-09-071	478-160-125	AMD-P	97-08-062
478-116-311	NEW-P	97-09-071	478-116-605	NEW	97-14-005	478-160-125	AMD	97-14-004
478-116-311	NEW	97-14-005	478-116-610	REP-P	97-09-071	478-160-130	AMD-P	97-08-062
478-116-320	REP-P	97-09-071	478-116-610	REP	97-14-005	478-160-130	AMD	97-14-004
478-116-320	REP	97-14-005	478-116-611	NEW-P	97-09-071	478-160-140	AMD-P	97-08-062
478-116-330	REP-P	97-09-071	478-116-611	NEW	97-14-005	478-160-140	AMD	97-14-004
478-116-330	REP	97-14-005	478-116-620	NEW-P	97-09-071	478-160-160	AMD-P	97-08-062
478-116-340	REP-P	97-09-071	478-116-620	NEW	97-14-005	478-160-160	AMD	97-14-004
478-116-340	REP	97-14-005	478-116-630	NEW-P	97-09-071	478-160-162	AMD-P	97-08-062
478-116-345	REP-P	97-09-071	478-116-630	NEW	97-14-005	478-160-162	AMD	97-14-004
478-116-345	REP	97-14-005	478-116-640	NEW-P	97-09-071	478-160-175	AMD-P	97-08-062
478-116-350	REP-P	97-09-071	478-116-640	NEW	97-14-005	478-160-175	AMD	97-14-004
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478-116-355	REP	97-14-005	478-116-660	NEW-P	97-09-071	478-160-230	AMD-P	97-08-062
478-116-360	REP-P	97-09-071	478-116-660	NEW	97-14-005	478-160-230	AMD	97-14-004
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478-116-370	REP-P	97-09-071	478-116-670	NEW	97-14-005	478-160-246	AMD	97-14-004
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478-160-295	AMD	97-14-004	480-35	PREP	97-17-046	480-123-010	NEW-E	97-23-029
478-160-310	AMD-P	97-08-062	480-35-010	REP-P	97-22-083	480-123-010	NEW-P	97-24-115
478-160-310	AMD	97-14-004	480-35-010	REP	98-02-004	480-150	PREP	97-17-046
478-160-320	AMD-P	97-08-062	480-35-020	REP-P	97-22-083	480-150-010	REP-P	97-22-083
478-160-320	AMD	97-14-004	480-35-020	REP	98-02-004	480-150-010	REP	98-02-004
478-250-050	AMD-P	97-08-062	480-35-030	REP-P	97-22-083	480-150-020	REP-P	97-22-083
478-250-050	AMD	97-14-004	480-35-030	REP	98-02-004	480-150-020	REP	98-02-004
478-250-060	AMD-P	97-08-062	480-35-040	REP-P	97-22-083	480-150-030	REP-P	97-22-083
478-250-060	AMD	97-14-004	480-35-040	REP	98-02-004	480-150-030	REP	98-02-004
478-276-030	REP-P	97-08-062	480-35-050	REP-P	97-22-083	480-150-060	REP-P	97-22-083
478-276-030	REP	97-14-004	480-35-050	REP	98-02-004	480-150-060	REP	98-02-004
478-276-040	REP-P	97-08-062	480-35-060	REP-P	97-22-083	480-150-090	REP-P	97-22-083
478-276-040	REP	97-14-004	480-35-060	REP	98-02-004	480-150-090	REP	98-02-004
478-276-060	AMD-P	97-08-062	480-35-070	REP-P	97-22-083	484-20-103	AMD	97-06-013
478-276-060	AMD	97-14-004	480-35-070	REP	98-02-004	484-20-120	AMD	97-06-013
478-276-070	AMD-P	97-08-062	480-35-080	REP-P	97-22-083	490-500	PREP	97-13-086
478-276-070	AMD	97-14-004	480-35-080	REP	98-02-004	491-10-010	PREP-X	97-13-046
478-276-080	AMD-P	97-08-062	480-35-090	REP-P	97-22-083	491-10-010	REP	97-18-001
478-276-080	AMD	97-14-004	480-35-090	REP	98-02-004	495A-120-041	NEW-P	97-07-003
478-276-100	AMD-P	97-08-062	480-35-100	REP-P	97-22-083	495A-120-041	NEW	97-20-081
478-276-100	AMD	97-14-004	480-35-100	REP	98-02-004	495A-120-042	NEW-P	97-07-003
478-276-105	NEW-P	97-08-062	480-35-110	REP-P	97-22-083	495A-120-042	NEW	97-20-081
478-276-105	NEW	97-14-004	480-35-110	REP	98-02-004	495A-120-043	NEW-P	97-07-003
478-276-140	AMD-P	97-08-062	480-35-120	REP-P	97-22-083	495A-120-043	NEW	97-20-081
478-276-140	AMD	97-14-004	480-35-120	REP	98-02-004	495A-120-043	NEW-P	97-07-002
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480-04-020	AMD-P	97-22-081	480-69-010	REP-P	97-22-083	495A-141-011	NEW-P	97-07-002
480-04-020	AMD	98-02-011	480-69-010	REP	98-02-004	495A-141-011	NEW	97-12-038
480-04-030	AMD-P	97-22-081	480-69-020	REP-P	97-22-083	495A-141-012	NEW-P	97-07-002
480-04-030	AMD	98-02-011	480-69-020	REP	98-02-004	495A-141-012	NEW	97-12-038
480-04-050	AMD-P	97-22-081	480-69-030	REP-P	97-22-083	495A-141-013	NEW-P	97-07-002
480-04-050	AMD	98-02-011	480-69-030	REP	98-02-004	495A-141-013	NEW	97-12-038
480-04-060	AMD-P	97-22-081	480-69-040	REP-P	97-22-083	495A-141-014	NEW-P	97-07-002
480-04-060	AMD	98-02-011	480-69-040	REP	98-02-004	495A-141-014	NEW	97-12-038
480-04-065	AMD-P	97-22-081	480-69-050	REP-P	97-22-083	495A-141-030	NEW-P	97-07-002
480-04-065	AMD	98-02-011	480-69-050	REP	98-02-004	495A-141-030	NEW	97-12-038
480-04-070	AMD-P	97-22-081	480-69-060	REP-P	97-22-083	495A-141-035	NEW-P	97-07-002
480-04-070	AMD	98-02-011	480-69-060	REP	98-02-004	495A-141-035	NEW	97-12-038
480-04-090	AMD-P	97-22-081	480-69-070	REP-P	97-22-083	495A-141-040	NEW-P	97-07-002
480-04-090	AMD	98-02-011	480-69-070	REP	98-02-004	495A-141-040	NEW	97-12-038
480-04-095	AMD-P	97-22-081	480-69-080	REP-P	97-22-083	495A-141-045	NEW-P	97-07-002
480-04-095	AMD	98-02-011	480-69-080	REP	98-02-004	495A-141-045	NEW	97-12-038
480-04-100	AMD-P	97-22-081	480-69-090	REP-P	97-22-083	495A-141-050	NEW-P	97-07-002
480-04-100	AMD	98-02-011	480-69-090	REP	98-02-004	495A-141-050	NEW	97-12-038
480-04-110	AMD-P	97-22-081	480-69-100	REP-P	97-22-083	495A-141-055	NEW-P	97-07-002
480-04-110	AMD	98-02-011	480-69-100	REP	98-02-004	495A-141-055	NEW	97-12-038
480-04-120	AMD-P	97-22-081	480-69-110	REP-P	97-22-083	495A-141-060	NEW-P	97-07-002
480-04-120	AMD	98-02-011	480-69-110	REP	98-02-004	495A-141-060	NEW	97-12-038
480-04-130	AMD-P	97-22-081	480-75-002	NEW	97-07-042	495A-141-065	NEW-P	97-07-002
480-04-130	AMD	98-02-011	480-75-005	NEW	97-07-042	495A-141-065	NEW	97-12-038
480-09	PREP	97-17-047	480-75-230	NEW	97-07-042	495A-141-070	NEW-P	97-07-002
480-11	PREP	97-17-047	480-80	PREP	97-21-153	495A-141-070	NEW	97-12-038
480-11-010	AMD-P	97-22-081	480-80-330	AMD-E	97-17-026	495A-141-080	NEW-P	97-07-002
480-11-010	AMD	98-02-011	480-80-330	AMD-E	97-23-029	495A-141-080	NEW	97-12-038
480-11-020	AMD-P	97-22-081	480-80-330	AMD-P	97-24-115	495A-141-090	NEW-P	97-07-002
480-11-020	AMD	98-02-011	480-120-027	AMD-E	97-17-026	495A-141-090	NEW	97-12-038
480-11-030	AMD-P	97-22-081	480-120-027	AMD-E	97-23-029	495A-141-100	NEW-P	97-07-002
480-11-030	AMD	98-02-011	480-120-027	AMD-P	97-24-115	495A-141-100	NEW	97-12-038
480-12	PREP	97-22-082	480-120-042	AMD-P	97-11-072	495A-141-110	NEW-P	97-07-002
480-31-010	NEW	97-08-037	480-120-042	AMD	97-18-056	495A-141-110	NEW	97-12-038
480-31-020	NEW	97-08-037	480-120-042	AMD	97-20-095	495A-141-120	NEW-P	97-07-002
480-31-030	NEW	97-08-037	480-120-106	PREP	97-11-071	495A-141-120	NEW	97-12-038
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480-31-050	NEW	97-08-037	480-120-106	AMD	98-02-003	495A-141-130	NEW	97-12-038
480-31-060	NEW	97-08-037	480-120-137	PREP	97-08-036	495A-141-140	NEW-P	97-07-002
480-31-070	NEW	97-08-037	480-120-138	PREP	97-08-036	495A-141-140	NEW	97-12-038
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480-31-090	NEW	97-08-037	480-120-139	NEW	97-18-056	495A-141-150	NEW	97-12-038
480-31-100	NEW	97-08-037	480-120-139	NEW	97-20-095	495A-141-160	NEW-P	97-07-002
480-31-110	NEW	97-08-037	480-120-139	PREP	97-23-087	495A-141-160	NEW	97-12-038
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504-12-010	REP	97-20-020						
504-12-020	PREP-X	97-14-038						
504-12-020	REP	97-20-020						
504-12-030	PREP-X	97-14-038						
504-12-030	REP	97-20-020						
504-12-040	PREP-X	97-14-038						
504-12-040	REP	97-20-020						
504-12-050	PREP-X	97-14-038						
504-12-050	REP	97-20-020						
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516-12-420	AMD-P	97-11-025						
516-12-420	AMD	97-17-052						
516-12-430	AMD-P	97-11-025						
516-12-430	AMD	97-17-052						
516-12-450	AMD-P	97-11-025						
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TABLE

KEY TO TABLE

This table covers the current calendar year through this issue of the Register and should be used to locate rules amended, adopted, or repealed subsequent to the publication date of the latest WAC or Supplement.

Symbols:

- AMD = Amendment of existing section
- A/R = Amending and recodifying a section
- DECOD = Decodification of an existing section
- NEW = New section not previously codified
- OBJEC = Notice of objection by Joint Administrative Rules Review Committee
- PREP = Preproposal comments
- RE-AD = Readoption of existing section
- RECOD = Recodification of previously codified section
- REP = Repeal of existing section
- RESCIND = Rescind previous emergency rule
- REVIEW = Review of previously adopted rule

Suffixes:

- C = Continuance of previous proposal
- E = Emergency action
- P = Proposed action
- S = Supplemental notice
- W = Withdrawal of proposed action
- XA = Expedited adoption
- XR = Expedited repeal

Note: These filings will appear in a special section of Issue 97-21

No suffix means permanent action

WAC # shows the section number under which an agency rule is or will be codified in the Washington Administrative Code.

WSR # shows the issue of the Washington State Register where the document may be found; the last three digits identify the document within the issue.

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16-532-0404	REP-P	98-02-073	51-27-004	REP	98-02-055	51-30-1102	REP	98-02-054
16-532-0406	REP-P	98-02-073	51-27-008	REP	98-02-055	51-30-1103	REP	98-02-054
16-532-0408	REP-P	98-02-073	51-27-001	REP	98-02-054	51-30-1104	REP	98-02-054
16-532-0410	REP-P	98-02-073	51-30-002	REP	98-02-054	51-30-1105	REP	98-02-054
16-532-0412	REP-P	98-02-073	51-30-003	REP	98-02-054	51-30-1106	REP	98-02-054
16-532-0414	REP-P	98-02-073	51-30-004	REP	98-02-054	51-30-1107	REP	98-02-054
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51-04-070	AMD	98-02-048	51-30-007	REP	98-02-054	51-30-1109	REP	98-02-054
51-06-020	AMD	98-02-049	51-30-008	REP	98-02-054	51-30-1110	REP	98-02-054
51-06-120	AMD	98-02-049	51-30-009	REP	98-02-054	51-30-1111	REP	98-02-054
51-13-106	AMD	98-02-047	51-30-0100	REP	98-02-054	51-30-1112	REP	98-02-054
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51-26-0300	REP	98-02-055	51-30-0302	REP	98-02-054	51-30-1125	REP	98-02-054
51-26-0310	REP	98-02-055	51-30-0304	REP	98-02-054	51-30-1200	REP	98-02-054
51-26-0315	REP	98-02-055	51-30-0305	REP	98-02-054	51-30-1203	REP	98-02-054
51-26-0400	REP	98-02-055	51-30-0307	REP	98-02-054	51-30-1600	REP	98-02-054
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51-26-0500	REP	98-02-055	51-30-0313	REP	98-02-054	51-30-1700	REP	98-02-054
51-26-0503	REP	98-02-055	51-30-0400	REP	98-02-054	51-30-1702	REP	98-02-054
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51-26-1000	REP	98-02-055	51-30-0405	REP	98-02-054	51-30-1909	REP	98-02-054
51-26-1004	REP	98-02-055	51-30-0500	REP	98-02-054	51-30-2200	REP	98-02-054
51-26-1007	REP	98-02-055	51-30-0510	REP	98-02-054	51-30-2211	REP	98-02-054
51-26-1009	REP	98-02-055	51-30-0600	REP	98-02-054	51-30-2400	REP	98-02-054
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51-26-1803	REP	98-02-055	51-30-0904	REP	98-02-054	51-30-2910	REP	98-02-054
51-26-1804	REP	98-02-055	51-30-1000	REP	98-02-054	51-30-3102	REP	98-02-054
51-26-1810	REP	98-02-055	51-30-1001	REP	98-02-054	51-30-31200	REP	98-02-054
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51-26-1840	REP	98-02-055	51-30-1006	REP	98-02-054	51-30-31203	REP	98-02-054
51-26-1845	REP	98-02-055	51-30-1007	REP	98-02-054	51-30-31204	REP	98-02-054
51-26-2200	REP	98-02-055	51-30-1009	REP	98-02-054	51-30-31205	REP	98-02-054
51-26-2300	REP	98-02-055	51-30-1014	REP	98-02-054	51-30-31206	REP	98-02-054
51-26-2301	REP	98-02-055	51-30-1019	REP	98-02-054	51-30-31207	REP	98-02-054
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WAC #	ACTION	WSR #	WAC #	ACTION	WSR #	WAC #	ACTION	WSR #
51-42-1104	NEW	98-02-056	51-46-0520	NEW	98-02-055	388-15-330	REP	98-02-058
51-42-1105	NEW	98-02-056	51-46-0521	NEW	98-02-055	388-76-540	AMD-P	98-02-077
51-42-1106	NEW	98-02-056	51-46-0522	NEW	98-02-055	388-76-550	AMD-P	98-02-077
51-42-1107	NEW	98-02-056	51-46-0523	NEW	98-02-055	388-76-560	AMD-P	98-02-077
51-42-1108	NEW	98-02-056	51-46-0524	NEW	98-02-055	388-76-570	AMD-P	98-02-077
51-42-1311	NEW	98-02-056	51-46-0525	NEW	98-02-055	388-76-595	AMD-P	98-02-077
51-42-1312	NEW	98-02-056	51-46-0600	NEW	98-02-055	388-76-605	AMD-P	98-02-077
51-42-1401	NEW	98-02-056	51-46-0603	NEW	98-02-055	388-76-620	AMD-P	98-02-077
51-44-001	NEW	98-02-053	51-46-0604	NEW	98-02-055	388-76-635	AMD-P	98-02-077
51-44-002	NEW	98-02-053	51-46-0608	NEW	98-02-055	388-76-655	AMD-P	98-02-077
51-44-003	NEW	98-02-053	51-46-0609	NEW	98-02-055	388-76-660	AMD-P	98-02-077
51-44-007	NEW	98-02-053	51-46-0610	NEW	98-02-055	388-76-665	AMD-P	98-02-077
51-44-008	NEW	98-02-053	51-46-0700	NEW	98-02-055	388-76-670	AMD-P	98-02-077
51-44-0103	NEW	98-02-053	51-46-0701	NEW	98-02-055	388-76-675	AMD-P	98-02-077
51-44-0200	NEW	98-02-053	51-46-0704	NEW	98-02-055	388-76-680	AMD-P	98-02-077
51-44-0900	NEW	98-02-053	51-46-0710	NEW	98-02-055	388-76-685	AMD-P	98-02-077
51-44-1003	NEW	98-02-053	51-46-0713	NEW	98-02-055	388-76-690	AMD-P	98-02-077
51-44-1007	NEW	98-02-053	51-46-0793	NEW	98-02-055	388-76-695	AMD-P	98-02-077
51-44-10210	NEW	98-02-053	51-46-0800	NEW	98-02-055	388-76-705	AMD-P	98-02-077
51-44-1109	NEW	98-02-053	51-46-0810	NEW	98-02-055	388-150-180	PREP	98-02-057
51-44-2500	NEW	98-02-053	51-46-0814	NEW	98-02-055	388-150-190	PREP	98-02-057
51-44-5200	NEW	98-02-053	51-46-0815	NEW	98-02-055	388-150-200	PREP	98-02-057
51-44-6100	NEW	98-02-053	51-46-0900	NEW	98-02-055	388-150-470	PREP	98-02-057
51-44-6300	NEW	98-02-053	51-46-0903	NEW	98-02-055	388-151-180	PREP	98-02-057
51-44-7404	NEW	98-02-053	51-46-1000	NEW	98-02-055	388-151-190	PREP	98-02-057
51-44-7802	NEW	98-02-053	51-46-1003	NEW	98-02-055	388-151-200	PREP	98-02-057
51-44-7900	NEW	98-02-053	51-46-1012	NEW	98-02-055	388-151-470	PREP	98-02-057
51-44-8000	NEW	98-02-053	51-46-1300	NEW	98-02-055	388-155-180	PREP	98-02-057
51-45-001	NEW	98-02-053	51-46-1301	NEW	98-02-055	388-155-190	PREP	98-02-057
51-45-002	NEW	98-02-053	51-46-1302	NEW	98-02-055	388-155-200	PREP	98-02-057
51-45-003	NEW	98-02-053	51-46-1303	NEW	98-02-055	388-155-470	PREP	98-02-057
51-45-007	NEW	98-02-053	51-46-1304	NEW	98-02-055	388-540-005	AMD-P	98-02-059
51-45-008	NEW	98-02-053	51-46-1305	NEW	98-02-055	388-540-030	AMD-P	98-02-059
51-45-80400	NEW	98-02-053	51-46-1400	NEW	98-02-055	388-540-060	AMD-P	98-02-059
51-46-001	NEW	98-02-055	51-46-1401	NEW	98-02-055	458-20-104	AMD-E	98-02-046
51-46-002	NEW	98-02-055	51-46-1491	NEW	98-02-055	495E-104-010	REP	98-02-037
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51-46-007	NEW	98-02-055	51-46-97121	NEW	98-02-055			
51-46-008	NEW	98-02-055	51-46-97122	NEW	98-02-055			
51-46-0100	NEW	98-02-055	51-46-97123	NEW	98-02-055			
51-46-0101	NEW	98-02-055	51-46-97124	NEW	98-02-055			
51-46-0102	NEW	98-02-055	51-46-97125	NEW	98-02-055			
51-46-0103	NEW	98-02-055	51-46-97126	NEW	98-02-055			
51-46-0200	NEW	98-02-055	51-46-97127	NEW	98-02-055			
51-46-0205	NEW	98-02-055	51-46-97128	NEW	98-02-055			
51-46-0215	NEW	98-02-055	51-46-97129	NEW	98-02-055			
51-46-0218	NEW	98-02-055	51-47-001	NEW	98-02-055			
51-46-0300	NEW	98-02-055	51-47-002	NEW	98-02-055			
51-46-0301	NEW	98-02-055	51-47-003	NEW	98-02-055			
51-46-0310	NEW	98-02-055	51-47-007	NEW	98-02-055			
51-46-0311	NEW	98-02-055	51-47-008	NEW	98-02-055			
51-46-0313	NEW	98-02-055	137-100-001	AMD-P	98-02-074			
51-46-0314	NEW	98-02-055	137-100-010	AMD-P	98-02-074			
51-46-0316	NEW	98-02-055	137-100-020	AMD-P	98-02-074			
51-46-0392	NEW	98-02-055	137-100-030	AMD-P	98-02-074			
51-46-0400	NEW	98-02-055	137-100-040	NEW-P	98-02-074			
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51-46-0412	NEW	98-02-055	220-52-07300V	REP-E	98-02-041			
51-46-0413	NEW	98-02-055	220-52-07300W	NEW-E	98-02-041			
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51-46-0501	NEW	98-02-055	222-16-030	AMD-C	98-02-065			
51-46-0502	NEW	98-02-055	232-12-61900A	NEW-E	98-02-040			
51-46-0505	NEW	98-02-055	232-28-61900B	NEW-E	98-02-040			
51-46-0507	NEW	98-02-055	246-887-170	AMD	98-02-084			
51-46-0509	NEW	98-02-055	284-23	AMD-C	98-02-062			
51-46-0512	NEW	98-02-055	284-43	NEW-C	98-02-063			
51-46-0513	NEW	98-02-055	284-44	REP-C	98-02-063			
51-46-0514	NEW	98-02-055	296-81	PREP	98-02-080			
51-46-0515	NEW	98-02-055	296-125	PREP	98-02-079			
51-46-0516	NEW	98-02-055	314-64-08001	NEW-P	98-02-069			
51-46-0517	NEW	98-02-055	388-15-300	REP	98-02-058			
51-46-0518	NEW	98-02-055	388-15-310	REP	98-02-058			
51-46-0519	NEW	98-02-055	388-15-320	REP	98-02-058			



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