Chapter 296-835 WAC
DIPPING AND COATING OPERATIONS (DIP TANKS)

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IMPORTANT:
A dip tank is a container holding a liquid other than plain water that is used for dipping or coating. An object may be completely or partially immersed (in a dip tank) or it may be suspended in a vapor coming from the tank.

Exemption: Dip tanks that use a molten material (molten metal, alloy, salt, etc.) are not covered by this chapter.

This chapter applies to:
• A dip tank that uses a liquid other than plain water, or the vapor of the liquid, to:
  – Clean an object
  – Coat an object
  – Alter the surface of an object
  OR
  – Change the character of an object.
• Draining or drying an object that has been dipped or coated.

Examples of covered dipping and coating operations include, but are not limited to:
• Paint dipping
• Electroplating
• Anodizing
• Pickling
• Quenching
• Tanning
• Degreasing
• Stripping
• Cleaning
• Dyeing
• Flow coating
– Roll coating.

Reference: You have to do a hazard assessment to identify hazards or potential hazards in your workplace and determine if PPE is necessary to protect your employees. See personal protective equipment (PPE), WAC 296-800-160, in the core rules, chapter 296-800 WAC.

WAC 296-835-110 General requirements. Summary.

Your responsibility:

Safeguard employees working with dip tanks.

You must:

CONSTRUCTION

Construct safe dip tanks

WAC 296-835-11005

VENTILATION

Provide proper ventilation for the vapor area

WAC 296-835-11010

Take additional precautions if you recirculate ventilation system exhaust air into the workplace

WAC 296-835-11015

Take additional precautions when using an exhaust hood

WAC 296-835-11020

INSPECTION

Periodically inspect your dip tanks and associated equipment and correct any deficiencies

WAC 296-835-11025

FIRST AID

Make sure employees working near dip tanks know appropriate first-aid procedures

WAC 296-835-11030

CLEANING

Prepare dip tanks before cleaning

WAC 296-835-11035

CYANIDE

Safeguard cyanide tanks

WAC 296-835-11040

WELDING

Protect employees during welding, burning or other work using open flames

WAC 296-835-11045

LIQUIDS HARMFUL TO SKIN

Provide additional protection for employees working near dip tanks that use liquid that may burn, irritate, or otherwise harm the skin

WAC 296-835-11050.

WAC 296-835-11010 Provide proper ventilation for the vapor area.

You must:

• Make sure mechanical ventilation meets the requirements of one or more of the following standards:
  – NFPA 34-1995, Standard for Dipping and Coating Processes Using Flammable or Combustible Liquids

Note: Some, or all, of the consensus standards (such as ANSI and NFPA) may have been revised. If you comply with a later version of a consensus standard, you will be considered to have complied with any previous version of the same consensus standard.

You must:

• Limit the vapor area to the smallest practical space by using mechanical ventilation.
  • Keep airborne concentration of any substance below twenty-five percent of its lower flammable limit (LFL).
  • Make sure mechanical ventilation draws the flow of air into a hood or exhaust duct.
  • Have a separate exhaust system for each dip tank if the combination of substances being removed could cause a:
    – Fire
    – Explosion
    OR
    – Potentially hazardous chemical reaction.

Reference: You need to keep employee exposure within safe levels when the liquid in a dip tank creates an exposure hazard. See Air contaminants, WAC 296-62-075 through 296-62-07515.

Note: You may use a tank cover or material that floats on the surface of the liquid to replace or assist ventilation. The method or combination of methods you choose has to maintain the airborne concentration of the hazardous material and the employee's exposure within safe limits.

WAC 296-835-11015 Take additional precautions if you recirculate ventilation system exhaust air into the workplace.

You must:

• Only recirculate air that contains no substance at a concentration that could pose a health or safety hazard to employees.
  • Make sure any exhaust system that recirculates air into the workplace:
    – Passes the air through a device that removes contaminants
    – Sounds an alarm and automatically shuts down the dip tank operation, if the vapor concentration of any substance in the exhaust air exceeds twenty-five percent of its LFL
    – Monitors the concentration of vapor from flammable or combustible liquids with approved equipment.

CONSTRUCTION

WAC 296-835-11005 Construct safe dip tanks.

You must:

• Make sure dip tanks, including any drain boards, are strong enough to support the expected load.

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-11005, filed 7/17/02, effective 10/1/02.]

[Ch. 296-835 WAC—p. 2]
Dipping and Coating Operations (Dip Tanks)

WAC 296-835-11025 Take additional precautions when using an exhaust hood.

You must:
- Make sure each room with an exhaust hood has a source of outside air that:
  - Enters the room in a way that will not interfere with the function of the hood
  - Replaces at least ninety percent of the air taken in through the hood.

WAC 296-835-11020 Take additional precautions during welding.

You must:
- Make sure the dip tank and the area around it are thoroughly cleaned of solvents and vapors before performing work involving:
  - Welding
  - Burning
- OR
  - Open flames

FIRST AID

WAC 296-835-11030 Make sure employees working near dip tanks know appropriate first-aid procedures.

You must:
- Make sure your employees know the appropriate first-aid procedures for the hazards of your dipping and coating operations.

Note: First-aid procedures are contained in the Material Safety Data Sheet (MSDS) for the chemicals used in the dip tank.

Reference: There are additional requirements that may include providing emergency washing facilities and employee training. See first aid, WAC 296-800-150, and employer chemical hazard communication, WAC 296-800-170, in the safety and health core rules, chapter 296-800 WAC.

CLEANING

WAC 296-835-11035 Prepare dip tanks before cleaning.

You must:
- (1) Drain the contents of the tank and open any cleanout doors.
- (2) Ventilate the tank to clear any accumulated hazardous vapors.

Reference: There may be requirements that apply before an employee enters a dip tank. See chapter 296-809 WAC, Confined spaces.

CYANIDE

WAC 296-835-11040 Safeguard cyanide tanks.

You must:
- Provide a dike or other safeguard(s) to prevent cyanide from mixing with an acid if a dip tank fails.

Note: This would also apply to spills or other means by which cyanide could come in contact with an acid in sufficient quantity to produce a hazardous gas.

WELDING

WAC 296-835-11045 Protect employees during welding, burning, or other work using open flames.

You must:
- Make sure the dip tank and the area around it are thoroughly cleaned of solvents and vapors before performing work involving:
  - Welding
  - Burning
- OR
  - Open flames

Reference: There are additional requirements for this type of work. See Welding, cutting and brazing, chapter 296-24 WAC, Part I, and Respiratory protection, chapter 296-842 WAC.

Note: Most substances will pose a health hazard at a concentration far below twenty-five percent of its LFL.

Statutory Authority: RCW 49.17.010, 49.17.040, and 49.17.050. 05-03-093, § 296-835-11045, filed 1/18/05, effective 3/1/05. Statutory Authority: RCW 49.17.010, 49.17.040, and 49.17.050. 02-15-102, § 296-835-11040, filed 7/17/02, effective 10/1/02.
LIQUIDS HARMFUL TO SKIN

WAC 296-835-11050 Protect employees that use liquids that may burn, irritate, or otherwise harm the skin.

You must:
(1) Make sure washing facilities, including hot water, are available for every ten employees that work with dip tank liquids.
(2) Satisfy medical requirements:
   • Make sure an employee with any small skin abrasion, cut, rash, or open sore receives treatment by a properly designated person.
   • Make sure an employee with a sore, burn, or other skin lesion that needs medical treatment, has a physician's approval before they perform their regular work.
   • Make sure employees who work with chromic acid receive periodic examinations of their exposed body parts, especially their nostrils.

   Note: Periodic means on a yearly basis unless otherwise indicated.
   • Any time chromic acid spills onto an employee's skin or their clothing is saturated, a physician should be responsible for evaluating and monitoring the area where chromic acid made contact with the skin.

You must:
(3) Provide lockers or other storage space to prevent contamination of street clothes.

Reference: You have to do a hazard assessment to identify hazards or potential hazards in your workplace and determine if PPE is necessary to protect your employees. See Personal protective equipment (PPE), WAC 296-800-160, in the safety and health core rules, chapter 296-800 WAC.

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-11050, filed 7/17/02, effective 10/1/02.]

WAC 296-835-120 Additional requirements for dip tanks using flammable or combustible liquids. Summary.

IMPORTANT:
This section applies to:
• Flammable and combustible liquids (flashpoint below 200°F)
• Liquids that have a flashpoint of 200°F (93.3°C) or higher if you:
  – Heat the liquid
  – Dip a heated object in the tank

Reference: Store flammable and combustible liquids as required by Flammable and combustible liquids, WAC 296-24-330, in the general safety and health standards.

Your responsibility:
Safeguard employees working with dip tanks containing flammable or combustible liquids

You must:
CONSTRUCTION
Include additional safeguards when constructing dip tanks

You must:
CONSTRUCTION
Include additional safeguards when constructing dip tanks

WAC 296-835-12005 Provide overflow pipes
WAC 296-835-12009 Provide bottom drains
WAC 296-835-12010 Provide fire protection in the vapor area

WAC 296-835-12020 Provide additional fire protection for large dip tanks

WAC 296-835-12035 Control ignition sources in the vapor area and adjacent area

WAC 296-835-12040 Provide safe wiring and electrical equipment where the liquid can drip or splash

WAC 296-835-12045 HOUSEKEEPING
Keep the area around dip tanks clear of combustible material and properly dispose of waste

WAC 296-835-12050 HEATING LIQUID
Make sure heating the liquid in your dip tanks does not cause a fire

WAC 296-835-12055 HEAT DRYING
Make sure a heating system used for drying objects does not cause a fire

WAC 296-835-12060 CONVEYORS
Make sure the conveyor system for dip tanks is safe

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-12005, filed 7/17/02, effective 10/1/02.]

CONSTRUCTION

WAC 296-835-12005 Include additional safeguards when constructing dip tanks.

You must:
(1) Make sure the dip tank, drain boards (if provided), and supports, are made of noncombustible material.
(2) Make sure piping connections on drains and overflow pipes allow easy access to the inside of the pipe for inspection and cleaning.

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-12005, filed 7/17/02, effective 10/1/02.]

WAC 296-835-12010 Provide overflow pipes.

You must:
• Provide an overflow pipe on dip tanks that:
  – Hold more than one hundred fifty gallons of liquid
  – Have more than ten square feet of liquid surface area
• Make sure the overflow pipe is:
  – Properly trapped
  – Able to prevent the dip tank from overflowing
  – Three inches or more (7.6 cm) in diameter
  – Discharged to a safe location.

Note: Discharged to a safe location could be a:
  – Safe location outside the building
  OR
  – Closed, properly vented salvage tank or tanks that can hold more than the dip tank.
You must:
• Make sure the bottom of the overflow pipe is at least six inches (15.2 cm) below the top of the tank.

Note: The overflow pipe should be large enough to remove water applied to the liquid surface of the dip tank from automatic sprinklers or other sources in the event of fire. Smaller dip tanks should be equipped with overflow pipes, if practical.

Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-12010, filed 7/17/02, effective 10/1/02.

Table 1: Automatic Fire Protection System Requirements

<table>
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<th>IF YOU PROVIDE:</th>
<th>THEN YOU MUST:</th>
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<td>An automatic fire extinguishing system</td>
<td>• Use extinguishing materials suitable for a fire fueled by the liquid in the tank</td>
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<td>• Make sure the system protects the:</td>
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<td>– Tanks</td>
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<td>– Drain boards</td>
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<td>– Stock over drain boards.</td>
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<tr>
<td>A dip tank cover</td>
<td>• Make sure the cover is:</td>
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<td>– Closed by approved automatic devices in the event of fire</td>
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<td>– Able to be manually activated</td>
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<td>– Kept closed when the tank is not being used</td>
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<td></td>
<td>– Made of noncombustible material or tin-clad material with locked metal joints</td>
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Reference: Automatic fire extinguishing systems have specific requirements. See:
• WAC 296-24-622 for automatic dry chemical extinguishing system requirements
• WAC 296-24-623 for automatic carbon dioxide extinguishing system requirements
• WAC 296-24-627 for automatic water spray extinguishing system and automatic foam extinguishing system requirements.

Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. 07-03-163, § 296-835-12015, filed 1/24/07, effective 4/1/07. Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-12015, filed 7/17/02, effective 10/1/02.

ELECTRICAL WIRING AND EQUIPMENT AND SOURCES OF IGNITION

WAC 296-835-12035 Prevent static electricity sparks or arcs when adding liquids to a dip tank.
You must:
• Make sure any portable container used to add liquid to the tank is:
  – Electrically bonded to the dip tank
  – Positively grounded.

Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-12035, filed 7/17/02, effective 10/1/02.
WAC 296-835-12040 Control ignition sources.

You must:
(1) Make sure the vapor areas and adjacent areas do not have any:
   • Open flames.
   • Spark producing devices.
   • Heated surfaces hot enough to ignite vapors.
(2) Use explosion-proof wiring and equipment in the vapor area.

Reference: Electrical wiring and equipment has to meet the requirements of the applicable hazardous (classified) location. See Hazardous (classified) locations, WAC 296-24-95613. Electrostatic equipment has specific electrical requirements. See WAC 296-835-13010.

You must:
(3) Prohibit smoking in any vapor area:
   • Post an easily seen "NO SMOKING" sign near each dip tank.

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-12040, filed 7/17/02, effective 10/1/02.]

WAC 296-835-12045 Provide safe electrical wiring and equipment where the liquid can drip or splash.

You must:
• Make sure all electrical wiring and equipment in the vapor area is approved for areas that have:
  – Deposits of easily ignited residue
  – Explosive vapor

Exemption: This does not apply to wiring that is:
  – In rigid conduit, threaded boxes or fittings
  – Has no taps, splices, or terminal connections.

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-12045, filed 7/17/02, effective 10/1/02.]

HOUSEKEEPING

WAC 296-835-12050 Keep the area around dip tanks clear of combustible material and properly dispose of waste.

You must:
(1) Make sure the area surrounding dip tanks is:
  – Completely free of combustible debris
  – As free of combustible stock as possible.
(2) Provide approved metal waste cans that are:
  – Used for immediate disposal of rags and other material contaminated with liquids from dipping or coating operations
  – Emptied and the contents properly disposed of at the end of each shift.

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-12050, filed 7/17/02, effective 10/1/02.]

HEATING LIQUID

WAC 296-835-12055 Make sure heating the liquid in your dip tanks does not cause a fire.

You must:
• Keep the temperature of the liquid in the dip tank:
  – Below the liquid's boiling point
  – At least 100°F below the liquid's autoignition temperature.

[Ch. 296-835 WAC—p. 6]
SPRAY CLEANING OR DEGREASING
Control liquid spray over an open surface cleaning or degreasing tank
WAC 296-835-13030.

[Statutory Authority: RCW 49.17.010, 49.17.040, and 49.17.050. 02-15-102, § 296-835-130, filed 7/17/02, effective 10/1/02.]

HARDENING OR TEMPERING

WAC 296-835-13005 Meet specific requirements if you use a hardening or tempering tank.
You must:
(1) Provide an automatic fire extinguishing system or an automatic dip tank cover for any hardening and tempering tank that uses flammable or combustible liquids and:
– Holds five hundred gallons (1893 L) or more of liquid OR
– Has twenty-five square feet (2.37 m²) or more of liquid surface area.
(2) Prevent fires.
• Make sure hardening and tempering tanks are:
  – Not located on or near combustible flooring.
  – Located as far away as practical from furnaces.
  – Equipped with noncombustible hoods and vents (or equally effective devices) for venting to the outside.
• Treat vent ducts as flues and keep them away from combustible material, particularly roofs.
(3) Make sure air under pressure is not used to:
• Fill the tank OR
• Agitate the liquid in the tank.
(4) Equip each tank with an alarm that will sound when the temperature is within 50° F (10° C) of the liquid’s flash point (alarm set point).
(5) Make sure a limit switch shuts down conveyors supplying work to the tank when the temperature reaches the alarm setpoint, if operationally practical.
(6) Have a circulating cooling system if the temperature of the liquid can exceed the alarm set point.

Note: The bottom drain of the tank may be combined with the oil circulating system if the requirements for bottom drains in WAC 296-835-12015 are satisfied.

[Statutory Authority: RCW 49.17.010, 49.17.040, and 49.17.050. 02-15-102, § 296-835-13005, filed 7/17/02, effective 10/1/02.]

ELECTROSTATIC EQUIPMENT

WAC 296-835-13010 Meet specific requirements if you use electrostatic equipment.

ELECTRICAL
You must:
(1) Provide safe electrical equipment.
• Make sure electrodes in your equipment are:
  – Substantial
  – Rigidly supported
  – Permanently located
  – Effectively insulated from ground by insulators
• Make sure the insulators are:
  – Nonporous
  – Noncombustible
  – Kept clean and dry
• Make sure high voltage leads to electrodes are effectively:
  – Supported on permanent, suitable insulators
  – Guarded against accidental contact or grounding.
(2) Make sure transformers, powerpacks, control apparatus, and all other electrical parts of the equipment:
  – Are located outside the vapor area OR
  – Meet the requirements of WAC 296-835-12040.

EXEMPTION: High voltage grids and their connections may be located in the vapor area without meeting the requirements of WAC 296-835-12040.

PAINT DETEARING
You must:
(3) Safeguard paint deteareing operations.
• Use approved electrostatic equipment in paint deteareing operations.
(4) Make sure goods being paint deteared are:
  – Supported on conveyors
  – Not manually handled.
(5) Keep a minimum safe distance (twice the sparking distance) between goods being paint deteared and the electrodes or conductors of the electrostatic equipment at all times by:
  – Arranging the conveyors to provide the necessary distance
  – Supporting the goods to prevent swinging or movement, if necessary
• Post a sign that shows the minimum safe distance (twice the sparking distance) near the equipment, where it can be easily seen.
(6) Keep paint deteareing operations separate from storage areas and people by using fences, rails or guards that are:
  – Made of conducting material
  – Adequately grounded.
(7) Protect paint deteareing operations from fire by installing:
  – Automatic sprinklers
  – An approved automatic fire extinguishing system.
(8) Collect and remove paint deposits by:
  – Providing removable drip plates and screens
  – Cleaning these plates and screens in a safe location.

AUTOMATIC DISCONNECT REQUIREMENT
You must:
(9) Make sure electrostatic equipment has automatic controls that immediately disconnect the power supply to the high-voltage transformer and signal the operator, if:
• Ventilating fans or equipment stop or fail for any reason
• Conveyors do not work properly
• A ground (or imminent ground) occurs anywhere in the high-voltage system OR
• Goods being paint deteared come within twice the sparking distance of the electrodes or conductors of the equipment.

[Statutory Authority: RCW 49.17.010, 49.17.040, and 49.17.050. 02-15-102, § 296-835-13010, filed 7/17/02, effective 10/1/02.]
FLOW COATING

WAC 296-835-13015 Meet specific requirements if you use a flow coating process.

You must:
(1) Make sure all piping is substantial and rigidly supported.
(2) Make sure the paint is supplied by a:
   • Gravity tank that does not hold more than ten gallons (38 L)
   OR
   • Direct low-pressure pumping system.
(3) Have an approved heat-actuated device that shuts down the pumping system if there is a fire.

Note: The area of the sump, and any areas on which paint flows, should be included in the area of dip tank.

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-13015, filed 7/17/02, effective 10/1/02.]

ROLL COATING

WAC 296-835-13020 Take additional precautions if your roll coating operation uses a liquid that has a flashpoint below 140°F (60°C).

IMPORTANT:
This section applies to the processes of roll coating, roll spreading, or roll impregnating that use a liquid having a flashpoint below 140°F (60°C). Material may be passed directly through a tank or over the surface of a roller that revolves partially submerged in the liquid.

You must:
• Prevent sparks from static electricity by:
  – Bonding and grounding all metallic parts (including rotating parts) and installing static collectors
  OR
  – Maintaining a conductive atmosphere (one with a high relative humidity, for example) in the vapor area.

Note: Mechanical baffles may be used to help prevent the discharge of spray.

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-13020, filed 7/17/02, effective 10/1/02.]

VAPOR DEGREASING

WAC 296-835-13025 Provide additional safeguards for vapor degreasing tanks.

You must:
(1) Make sure, if the tank has a condenser or a vapor-level thermostat, that it keeps the vapor level at least:
   • Thirty-six inches (91 cm) below the top of the tank if the width of the tank is seventy-two inches or more
   OR
   • One-half the tank width below the top of the tank if the tank is less than seventy-two inches wide.
(2) Make sure, if you use gas as a fuel to heat the tank liquid, that the combustion chamber is airtight (except for the flue opening) to prevent solvent vapors from entering the air-fuel mixture.
(3) Make sure the exhaust flue:
   • Is made of corrosion-resistant material
   • Extends to the outside
   • Has a draft diverter if mechanical exhaust is used.

(4) Take special precautions to keep solvent vapors from mixing with the combustion air of the heater if chlorinated or fluorinated hydrocarbon solvents (for example, trichloroethylene or freon) are used in the dip tank.

(5) Keep the temperature of the heating element low enough to keep a solvent or mixture from:
   • Decomposing
   OR
   • Generating excessive vapor.

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-13025, filed 7/17/02, effective 10/1/02.]

SPRAY CLEANING OR DEGREASING

WAC 296-835-13030 Control liquid spray over an open surface cleaning or degreasing tank.

You must:
• Control the spray to the greatest extent feasible by:
  – Enclosing the spraying operation as completely as possible
  – Using mechanical ventilation to provide enough inward air velocity to prevent the spray from leaving the vapor area.

Note: Mechanical baffles may be used to help prevent the discharge of spray.


[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-13030, filed 7/17/02, effective 10/1/02.]

WAC 296-835-140 Definitions. ACGIH: American Conference of Governmental Industrial Hygienists.

Adjacent area: Any area within twenty feet (6.1 m) of a vapor area that is not separated from the vapor area by tight partitions.


Approved: Approved or listed by a nationally recognized testing laboratory. Refer to federal regulation 29 CFR 1910.7, for definition of nationally recognized testing laboratory.

Autoignition temperature: The minimum temperature required to cause self-sustained combustion without any other source of heat.

Combustible liquid: A liquid having a flashpoint of at least 100°F (37.8°C) and below 200°F (93.3°C). Mixtures with at least ninety-nine percent of their components having flashpoints of 200°F (93.3°C) or higher are not considered combustible liquids.

Detearing: A process for removing excess wet coating material from the bottom edge of a dipped or coated object or material by passing it through an electrostatic field.

Dip tank: A container holding a liquid other than plain water that is used for dipping or coating. An object may be immersed (or partially immersed) in a dip tank or it may be suspended in a vapor coming from the tank.

Flammable liquid: Any liquid having a flashpoint below 100°F (37.8°C), except any mixture having components with flashpoints of 100°F (37.8°C) or higher, the total
of which make up ninety-nine percent or more of the total volume of the mixture.

**Flashpoint:** The minimum temperature at which a liquid gives off a vapor in sufficient concentration to ignite when tested by any of the measurement methods described in the definition of flashpoint in the safety and health core rules, WAC 296-800-370.

**Lower flammable limit:** The lowest concentration of a material that will propagate a flame. The LFL is usually expressed as a percent by volume of the material in air (or other oxidant).

**NFPA:** National Fire Protection Association.

**Vapor area:** Any area in the vicinity of dip tanks, their drain boards or associated drying, conveying, or other equipment where the vapor concentration could exceed twenty-five percent of the lower flammable limit (LFL) for the liquid in the tank.

**You:** Means the employer. See the definition of employer in the safety and health core rules, WAC 296-800-370.

[Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. 02-15-102, § 296-835-140, filed 7/17/02, effective 10/1/02.]