

TRANSMITTAL OF RULES ADOPTED

WASHINGTON STATE AIR

FROM: POLLUTION CONTROL BOARD
(Name of Agency)

TO: CODE REVISER
LEGISLATIVE BLDG (Southwest Corner, Ground Floor)
Olympia 98501

The enclosed Permanent rules , being order No. 9
Emergency rules

relating to (Name of rules or description of subject matter)

WAC 18-36-045 establishing a compliance schedule for each
kraft pulp mill in accordance with WAC 18-36-040.

(ALTERNATIVE A. Use only for adoption of permanent rules)

pursuant to Notice No. 2571^① filed with the code reviser
on Feb. 27, '70^② were regularly adopted as permanent rules of this
(date) Eames Theatre, Pacific
agency at Science Center, Seattle on 3-13-70 and are herewith
Center, Seattle, (place) Washington (date)
filed in the office of the code reviser pursuant to chapter 34.04
RCW. The effective date of such rules shall be _____^③

(ALTERNATIVE B. Use only for adoption of emergency rules)

pursuant to its finding that the immediate adoption of
these rules is necessary for the preservation of the public
health, safety, or general welfare and that observance of the
requirements of notice and opportunity to present views on
the proposed action would be contrary to the public interest,
were regularly adopted as emergency rules of this agency at
_____ on _____ and are herewith filed in
(place) (date)
the office of the code reviser pursuant to chapter 34.04 RCW.

Dated this 16th day of March 1970.

STATE OF WASHINGTON
FILED
MAR 17 1970
CODE REVISER'S OFFICE
KET # 2286 FILE # /

Washington State Air Pollution Control Board
(AGENCY)

Wallace Lane
By Wallace Lane, M.D.

Chairman
Title

- ① NOTICE NUMBER AS APPEARS ON THE COPY OF NOTICE RETURNED TO YOU BY REVISER'S OFFICE (IF PROCEEDINGS WERE CONTINUED, USE NO. OF LAST NOTICE)
- ② STAMPED DATE AS APPEARS ON THE COPY OF NOTICE RETURNED TO YOU BY REVISER'S OFFICE (IF PROCEEDINGS WERE CONTINUED, USE DATE OF LAST NOTICE)
- ③ UNLESS A LATER DATE IS SPECIFIED IN THIS ORDER OR IS PRESCRIBED IN ANOTHER STATUTE, RULES ARE EFFECTIVE 30 DAYS AFTER FILING: RCW 34.04.040. LEAVE THIS SPACE BLANK EXCEPT IN SUCH SPECIAL CASES.

STATE OF WASHINGTON

STATE AIR POLLUTION CONTROL BOARD

PURSUANT to the authority vested in it by RCW 70.94.395 (Sec. 39, Chapter 168, Laws of 1969, 1st ex. s.), and pursuant to chapter 34.04 RCW; and

WHEREAS, the State Air Pollution Control Board has adopted as permanent rules and regulations chapter 18-36 WAC, establishing rules and regulations assuming state jurisdiction over emissions from kraft pulping mills; and

WHEREAS, WAC 18-36-040 requires the State Air Pollution Control Board to establish, pursuant to chapter 34.04 RCW and in cooperation with mill representatives, an approved compliance schedule for each kraft pulping mill within the state of Washington; and

WHEREAS, all kraft pulping mills in the state of Washington have submitted compliance schedules to the State Air Pollution Control Board; and

WHEREAS, the State Air Pollution Control Board has held a public hearing, upon due notice, on the compliance schedules:

NOW THEREFORE, THE STATE AIR POLLUTION CONTROL BOARD HEREBY ADOPTS as permanent rules and regulations WAC 18-36-045 establishing individual compliance schedules and requiring quarterly progress reports for each and every kraft pulping mill within the state of Washington, to wit: Boise-Cascade Papers kraft pulp mill, located at Wallula, Washington; The Crown Zellerbach Corporation kraft pulp mill, located at Port Townsend, Washington; Longview Fibre Company kraft pulp mill, located at Longview, Washington; St. Regis Pulp and Paper Corporation kraft pulp mill, located at Tacoma, Washington; Weyerhaeuser Company kraft pulp mill, located at Everett, Washington; Crown Zellerbach Corporation kraft pulp mill, located at Camas, Washington; Simpson Lee

WAC 18-36-045 COMPLIANCE SCHEDULES - INDIVIDUAL MILLS.
After public hearing the state board has adopted a compliance schedule for each of the following kraft pulp mills as required by WAC 18-36-040. Regular quarterly progress reports shall be submitted to the executive director of the state air pollution control board, starting on July 1, 1970, and continuing until the plant is in complete compliance with the regulation. Weight requirements are stated in pounds per ton of equivalent air-dried kraft pulp.

(1) Boise-Cascade Papers kraft pulp mill located at Wallula, Washington:

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
<u>RECOVERY FURNACES</u>				
1. TRS, 70 ppm or 2 lbs/ton Furnaces #1 & #2	6-30-71	7-31-71	4-31-72	6-30-72
Furnace #3 (Proposed)	12-31-71	6- 1-72	6- 1-74	3- 1-75
2. TRS, 17 1/2 ppm or 1/2 lb/ton Furnaces #1 & #2	6-30-71	7-31-71	4-31-72	6-30-72
Furnace #3 (Proposed)	12-31-71	6- 1-72	6- 1-74	3- 1-75
3. Particulates, 4 lb/ton	1- 1-72 3- 1-72*	4- 1-72 6- 1-72*	10- 1-73 6- 1-74*	4- 1-74 1- 1-75*
4. Smelt tank particulates 1/2 lb/ton Furnaces #1 & #2	10-31-70	1-31-71	10-31-71	3- 1-72
Furnace #3 (Proposed)	12-31-71	6- 1-72	6- 1-74	3- 1-75
<u>LIME KILN</u>				
Particulates 1 lb/ton	12-31-72	3-30-73	12-31-73	3- 1-74
<u>NON-CONDENSIBLE TREATMENT</u>				
	12-31-70	3-30-71	12-31-71	3- 1-72

*Latest completion date of various alternatives.

(2) Crown Zellerbach Corporation kraft pulp mill located at Port Townsend, Washington:

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
<u>RECOVERY FURNACE</u>				
1. TRS 70 ppm or 2 lbs/ton		All work complete		4- 1-70
2. TRS 17 1/2 ppm or 1/2 lb/ton		All work complete		4- 1-70
3. Particulates 4 lb/ton		All work complete		4- 1-70
4. Particulates from smelt tank		All work complete		4- 1-70

Paper Company kraft pulp mill, located at Everett, Washington; and the Weyerhaeuser Company kraft pulp mill, located at Longview Washington.

THIS order, after being first recorded in the order register of this agency, shall be forwarded to the Code Reviser for filing pursuant to chapter 34.04 RCW and chapter 1-12 WAC.

DONE in the City of Seattle, County of King, State of Washington, this thirteenth day of March, 1970.

WASHINGTON STATE AIR POLLUTION CONTROL BOARD

Wallace Lane M.D.
Wallace Lane, M.D., Chairman

Donald W. Moos

August T. Rossano, Jr.
August T. Rossano

Gordon Tongue
Gordon Tongue

John C. Ranger
John C. Ranger

Harvey S. Poll

Frank Roberts
Frank Roberts

Glen A. Yake
Glen A. Yake

John W. Judy

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
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LIME KILNS*

Particulates 1 lb/ton	Schedule to be submitted			6-30-75
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NON-CONDENSIBLE

<u>TREATMENT**</u>	All work complete			4- 1-70
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*Company shall submit a time schedule by April 1, 1970, stating date when a new lime kiln will be installed, and dates for completion of engineering, equipment ordering, installation, and compliance for the control equipment for a new lime kiln.

**Company will determine the contribution of TRS from the multiple-effect evaporators by a special study. The special study shall be completed and a report made by April 1, 1971.

(3) Longview Fibre Company kraft pulp mill located at Longview, Washington:

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
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RECOVERY FURNACES

1. TRS, 70 ppm or 2 lbs/ton	5- 1-70	7- 1-70	7- 1-71	1- 1-72
2. TRS, 17 1/2 ppm or 1/2 lb/ton	5- 1-70	7- 1-70	7- 1-71	1- 1-72
3. Particulates 4 lbs/ton	7- 1-71	1- 1-72	7- 1-73	1- 1-74
4. Smelt tank par- ticulates 1/2 lb/ton	--	--	--	2- -70*

LIME KILN

Particulates 1 lb/ton	--	--	--	2- -70*
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NON-CONDENSIBLE

<u>TREATMENT</u>	1- 1-71	3- 1-71	1- 1-72	7- 1-72
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*Amended compliance schedule to be adopted if monitoring information shows these sources not fully in compliance.

(4) St. Regis Paper Company kraft pulp mill located at Tacoma, Washington:

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
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RECOVERY FURNACES

1. TRS, 70 ppm or 2 lbs/ton				
Furnaces #1 & #2	7- 1-70	7- 1-70	1- 1-71	1- 1-71
Furnace #3	7- 1-70	1- 1-71	7- 1-71	10-1-71
2. TRS, 17 1/2 ppm or 1/2 lb/ton				
Furnaces #1 & #2	replaced by new furnace			10-1-74*
Furnace #3	out of service			10-1-74*
Furnace #4	1- 1-71	4- 1-71	10-1-73*	2- 1-74*

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
3. Particulates, 4 lbs/ton				
Furnaces #1 & #2	replaced by new furnace			10-1-74*
Furnace #3	7- 1-72	1- 1-73	7- 1-74	10-1-74*
Furnace #4	1- 1-71	4- 1-71	10-1-73	2- 1-74*
4. Smelt tank par- ticulates, 1/2 lb/ton				
Furnaces #1 & #2	replaced by new furnace			10-1-74*
Furnace #3	7- 1-71	7- 1-71	5- 1-72	7- 1-72
Furnace #4	1- 1-71	4- 1-71	10-1-73	2- 1-74*

LIME KILN

Particulates 1 lb/ton	4- 1-74	4- 1-74	4- 1-75	7- 1-75**
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NON-CONDENSIBLE

<u>TREATMENT</u>	1- 1-71	1- 1-71	10-1-71	1- 1-72
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*Based on thirty months delivery and erection schedule for new recovery furnace.

**Lime kiln is estimated to be in compliance at present time, new venturi scrubber will be installed in 1975.

(5) Weyerhaeuser Company kraft pulp mill located at Everett, Washington:

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
<u>RECOVERY FURNACE</u>				
1. TRS, 70 ppm or 2 lbs/ton	Not applicable			
2. TRS, 17 1/2 ppm or 1/2 lb/ton	4- 1-71 12-1-71*	10-1-71 6- 1-72*	8- 1-73 4- 1-74*	9- 1-73 5- 1-74*
3. Particulates 4 lbs/ton	--	--	--	2- -70
4. Smelt tank, par- ticulates, 1/2 lb/ton	--	--	--	2- -70
<u>LIME KILN</u>				
Particulates 1 lb/ton	--	--	--	2- -70
<u>NON-CONDENSIBLE</u>				
<u>TREATMENT</u>				
Digesters	--	--	--	2- -70
Evaporators	8- 1-70	10-1-70	1- 1-71	4- 1-71

*Latest completion date of various alternatives.

(6) Crown Zellerbach Corporation kraft pulp mill located at Camas, Washington:

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
<u>RECOVERY FURNACE</u>				
1. TRS, 70 ppm or 2 lbs/ton	10-1-70	1- 1-71	10-1-71	1- 1-72
2. TRS, 17 1/2 ppm or 1/2 lb/ton				
Alt.A. New furnace #4	2-1-72	7- 1-72	12-31-74	4- 1-75
#3	Out of service by . . . 12-31-74			6-30-75*
#1 & #2	Replace by new furnace			6-30-75
<u>Alt.B.</u>				
<u>Chemical Oxidation</u>				
All furnaces	1-1-72	6- 1-72	4- 1-74	5- 1-74
3. Particulates, 4 lbs/ton				
Alt. A. New furnace #4	3-1-72	7- 1-72	12-31-74	4- 1-75
#3	10-1-72	2- 1-73	5- 1-75	6-30-75
#1 & #2	Replace by new furnace			4-30-75
<u>Alt. B.</u>				
<u>Chemical Oxidation</u>				
All furnaces	1-1-72	6- 1-72	1- 1-74	5- 1-74
4. Smelt tank particulates 1/2 lb/ton	9-1-70	12-31-70	12-31-71	7- 1-72
<u>LIME KILN</u>				
Particulates, 1 lb/ton	5-1-70	7- 1-70	11- 1-70	1- 1-71
<u>NON-CONDENSIBLE TREATMENT</u>				
	9-1-70	1- 1-71	10- 1-71	12-1-71

*Returned to service and in compliance.

(7) Simpson Lee Paper Company kraft pulp mill located at Everett, Washington:

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
<u>RECOVERY FURNACE</u>				
1. TRS, 70 ppm or 2 lbs/ton	Installation complete		7- 1-70	1- 1-71*
2. TRS, 17 1/2 ppm or 1/2 lb/ton				
Alt.A. Chemical oxidation	1-1-72	6- 1-72	4- 1-74	5- 1-74
Alt.B. Reduced firing rate		No equipment required		5- 1-74
3. Particulates, 4 lbs/ton				
Alt.A.	1-1-72	6- 1-72	4- 1-74	5- 1-74
Alt.B.	1-1-72	6- 1-72	8- 1-73	5- 1-74

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
4. Smelt tank particulates 1/2 lb/ton	1-1-71	4- 1-71	8- 1-71	10- 1-71
<u>LIME KILN</u>				
Particulates, 1 lb/ton	--	--	--	2- 1-70
<u>NON-CONDENSIBLE TREATMENT</u>	10-1-70	1- 1-71	6- 1-71	7- 1-71

*CONDITION OF APPROVAL: The Company will make a detailed study of the operation of the recovery furnace to determine the furnace operating conditions needed to meet both 70 ppm and 17 1/2 ppm of TRS. This study will evaluate the effect upon the emission of TRS, of oxidation efficiency, primary-secondary air fuel ratio, firing rate, and other variables which may affect the furnace operation. If the study shows that the furnace cannot operate at 70 ppm or 2 pounds per ton of TRS except at a firing rate of less than 140 tons of production per day, then the furnace will be operated at a rate not greater than 140 tons per day, and in accordance with the optimum operating conditions as established by the study. The Company will proceed with a program to meet the 17 1/2 ppm or 1/2 pound per ton of TRS in accordance with the compliance schedule.

(8) Weyerhaeuser Company kraft pulp mill located at Longview, Washington:

COMPLIANCE SCHEDULE

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
<u>RECOVERY FURNACE</u>				
(Weak BLO) 1. TRS, 70 ppm or 2 lbs/ton	5-1-70	7- 1-70	3- 1-71	4- 1-71
2. TRS, 17 1/2 ppm or 1/2 lb/ton				
Furnace #5, strong BLO	9-1-71*	11-1-71*	6- 1-72*	8- 1-72*
<u>Alt.A. Chemical</u>				
Oxi. or rebuild Furnace #3	1-1-72	7- 1-72	4- 1-74	5- 1-74
<u>Alt.B. New furnace #6</u>	1-1-72	7- 1-72	1- 1-75	3- 1-75
3. Particulates, 4 lbs/ton				
<u>Alt.A. Furnaces #3 & #4**</u>	1-1-72	7- 1-72	1- 1-74	7- 1-74
Furnace #5	10-1-70	1- 1-71	10-1-71	2- 1-72
<u>Alt.B. Furnaces #3 & #4</u>	Out of service by . . .		3- 1-75	
Furnace #5	5-1-74	8- 1-74	4- 1-75***	5- 1-75
Furnace #6 (proposed)	1-1-72	7- 1-72	1- 1-75	3- 1-75
4. Smelt tank particulates 1/2 lb/ton				
Furnaces #3&4	5-1-70	7- 1-70	1- 1-71	2- 1-71
Furnace #5	--	--	--	5- 1-70

Requirements:	<u>Engineering Complete</u>	<u>Equipment Ordered</u>	<u>Equipment Installed</u>	<u>In Compliance</u>
<u>LIME KILNS</u>				
Particulates, 1 lb/ton				
Kiln #1	3-1-71	5-1-71	10-1-71	11-1-71
Kiln #2	3-1-70	5-1-70	10-1-70	11-1-70
Kiln #3	--	--	--	5-1-70

NON-CONDENSIBLE

<u>TREATMENT</u>	1-1-71	2-1-71	4-1-71	5-1-71
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*Only if testing at lower firing rates indicates that 17 1/2 ppm cannot be met.

**Furnace #4 estimated to be in compliance at present time. Later sampling to confirm this; otherwise, a schedule matching furnace #3 will be followed.

***Out of service for modification when new furnace is in production.