

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
OREGON TITLE V OPERATING PERMIT

Western Region
750 Front St. NE, Suite 120
Salem, OR 97301-1039
Telephone (503) 378-8240

Issued in accordance with the provisions of ORS 468A.040
and based on the land use compatibility findings included in the permit record.

ISSUED TO:

Roseburg Forest Products Co.
Coquille Plant
PO Box 1088
Roseburg, OR 97470

INFORMATION RELIED UPON:

Application Number: 017585
Received: 06/29/99
Updated: 05/08/02, 12/07/06,
12/12/06, 01/04/07

PLANT SITE LOCATION:

Cedar Point Road
Coquille, OR 97423

LAND USE COMPATIBILITY STATEMENT:

Issued by: Coos County
Dated: 09/03/92

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Cheryll Hutchens, Western Region Air Quality Manager Date

Nature of Business:

Plywood & Veneer Manufacturing
Fuel Burning Equipment, 10 million or more Btu/hour heat input, wood fired

SIC:

2436
4961

RESPONSIBLE  ICIAL

Name: Roseburg Forest Products Co.
Title: President
And/or
Title: Vice-President, Manufacturing
And/or
Title: Coquille Plywood Manager

FACILITY CONTACT PERSON

Name: Ellen Porter
Title: Manager Environmental Affairs
Phone: (541) 679-2130

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LIST OF ABBREVIATIONS THAT MAY BE USED IN THIS PERMIT

ACDP	Air Contaminant Discharge Permit	MMSf	One million square feet
Act	Federal Clean Air Act	NA	Not applicable
ASTM	American Society of Testing and Materials	NESHAP	National Emissions Standards for Hazardous Air Pollutants
BDT	Bone dry ton	NO _x	Nitrogen oxides
Btu	British thermal unit	NSPS	New Source Performance Standards
CFR	Code of Federal Regulations	O ₂	Oxygen
CO	Carbon Monoxide	OAR	Oregon Administrative Rules
CPMS	Continuous parameter monitoring system	ODEQ	Oregon Department of Environmental Quality
DEQ	Department of Environmental Quality	ORS	Oregon Revised Statutes
dscf	Dry standard cubic feet	O&M	Operation and maintenance
EF	Emission factor	Pb	Lead
EPA	US Environmental Protection Agency	PCD	Pollution Control Device
EU	Emissions Unit	PCWP	Plywood and Composite Wood Products
FCAA	Federal Clean Air Act	PM	Particulate matter
FSA	Fuel sampling and analysis	PM ₁₀	Particulate matter less than 10 microns in size
gr/dscf	Grain per dry standard cubic feet (1 pound = 7000 grains)	ppm	Parts per million
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	PSEL	Plant Site Emission Limit
HCFC	Halogenated Chloro-Fluoro-Carbons	psia	pounds per square inch, actual
ID	Identification number or label	SERP	Source emissions reduction plan
I&M	Inspection and maintenance	SO ₂	Sulfur dioxide
MACT	Maximum Achievable Control Technology	SSM	Startup, Shutdown, and Malfunction
Mft ³	1000 cubic feet	ST	Source test
Mgal	1000 gallons	VE	Visible emissions
Mlbs	1000 pounds	VMT	Vehicle miles traveled
Msf	1000 square feet	VOC	Volatile organic compounds

PERMITTED ACTIVITIES

1. Until such time as this permit expires or is modified or revoked, the permittee is allowed to discharge air contaminants from those processes and activities directly related to or associated with air contaminant source(s) in accordance with the requirements, limitations, and conditions of this permit. [OAR 340-218-0010 and 340-218-0120(2)]
2. All conditions in this permit are federally enforceable except Conditions 5, 6, 7, G4 and G8 (OAR 340-248-0005 through 0180) are only enforceable by the state. [OAR 340-218-0060]

EMISSIONS UNIT (EU) AND POLLUTION CONTROL DEVICE (PCD) IDENTIFICATION

3. The emissions units regulated by this permit are the following [OAR 340-218-0040(3)]:

Emissions Unit	EU ID	Pollution Control Device/Practice*	PCD ID
Boiler 1	Boiler 1	multiclones/dry ESP	multiclones/dry ESP
M1 (Material Handling Group 1) lilypad chipper cyclone C1 4' clipper cyclone C2 8' clipper cyclone C3 green chips cyclone 1 C4 green chips cyclone 2 C5	M1	none none none none none	NA NA NA NA NA
Plywood Presses 1 & 2	Press 1	none	NA
	Press 2	none	NA
Veneer Dryer 1	Dryer 1	Burley wet scrubber	Scrubber 1
Veneer Dryer 2	Dryer 2	Burley wet scrubber	Scrubber 2
Veneer Dryer 3	Dryer 3	Burley wet scrubber	Scrubber 3
Logyard green bark, green bark and hogged fuel piles	Piles	None, enclosure	---
Paved Roads, Parking Lots, and Unpaved Roads	Roads	Sweeper, wash down	---
Steam Tunnels	Tunnels	none	---
Facility VOC	Facility VOC	none	---
Entire facility including emissions units Dryers1-3, Boiler 1, M1, Presses 1-2, Facility VOC, Tunnels, Piles, Roads, and AI for purposes of the rolling 12 month PSEL to be calculated on a monthly basis.	Facility-1	see individual emissions units	see individual emissions units
Emissions units Presses 1-2 and Material Handling Group M1 and any other emission sources to be included for compliance with the emissions limitations in OAR 340-234-0510. Emission limitations established herein and stated in terms of pounds per 1,000 square feet of production shall be computed on an hourly basis using the maximum eight-hour production capacity of the plywood plant. OAR 340-234-0500(3)	Facility-4	see individual emissions units	see individual emissions units
Aggregate Insignificant (VOC) 3 Resin Storage Tanks (PM/PM ₁₀) Barkers, M2 (Material Handling Group 2)	AI	none	---

*Cyclones listed in this table are not actually pollution control devices but are instead material handling devices.

EMISSION LIMITS AND STANDARDS, TESTING, MONITORING, AND RECORDKEEPING REQUIREMENTS

The following tables and conditions contain the applicable requirements along with the testing, monitoring, and recordkeeping requirements for the emissions units to which those requirements apply.

FACILITY WIDE

Table 1 Summary of Facility Wide Emission Limits and Standards

Applicable Requirement	Requirement Condition Number	Pollutant/ Parameter	Limit/Standard	Monitoring Requirement	Monitoring Condition Number
340-208-0210(2)	4	Fugitive PM emissions	Minimize	Complaint investigation	7
340-208-0300	5	Air contaminants	No nuisance	Complaint investigation	7
340-208-0450	6	PM >250µm	No fallout	Complaint investigation	7
340-234-0510(2)	8	Particulate Matter	58.7 lbs/hour per Plywood Rule (daily average)	Recordkeeping	9
40 CFR Part 63, Subpart DDDD	10	Organic HAPs	See Subpart DDDD	See Subpart DDDD	10
40 CFR Part 63, Subpart DDDDD	11	Metal HAPs, HCl, Mercury	See Subpart DDDDD	See Subpart DDDDD	11

Fugitive PM Emissions

4. The permittee must not allow or permit any materials to be handled, transported, or stored; or a building, its appurtenances, or a road to be used, constructed, altered, repaired or demolished; or any equipment to be operated, without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, but not be limited to the following: [OAR 340-208-0210(2)]
 - 4.a. remove all spillage caused by plug ups and/or leakage as soon as possible, but in no case later than 24 hours after discovery.
 - 4.b. use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;
 - 4.c. application of asphalt, oil, water, or other suitable chemicals on unpaved roads, materials stockpiles, and other surfaces which can create airborne dusts;
 - 4.d. full or partial enclosure of materials stockpiles in cases where application of oil, water, or chemicals are not sufficient to prevent particulate matter from becoming airborne;
 - 4.e. installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials;
 - 4.f. adequate containment during sandblasting or other similar operations; and
 - 4.g. covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne;
 - 4.h. prompt removal from paved streets of earth or other material that does or may become airborne.

Nuisance Conditions

5. The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel. [OAR 340-208-0300] This condition is enforceable only by the State.
6. The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled. [OAR 340-208-0450] This condition is enforceable only by the State.

Fugitive Dust and Nuisance Conditions Monitoring

7. The permittee must maintain a log of each nuisance, particulate matter fallout, or fugitive dust complaint received by the permittee during the operation of the facility. Documentation must include date of contact, time of observed nuisance condition, description of nuisance condition, location of receptor, status of plant operation during the observed period, and time of response to complainant. A plant representative must immediately investigate the condition following the receipt of the nuisance complaint and a plant representative must provide a response to the complainant within 24 hours, if possible. This condition is only enforceable by the state. [OAR 340-218-0050(3)(a)]

Plywood Rule

8. The permittee must not cause or allow the emission of particulate matter (PM) emissions in excess of 58.7 pounds per hour from emissions unit Facility-4 on a daily basis. [OAR 340-234-0510(2)]

Plywood Rule Monitoring

9. The permittee must perform the following monitoring to demonstrate compliance with the limits of Condition 8.
 - 9.a. The permittee must calculate the daily hourly average particulate matter emission rate from emissions unit Facility-4 by dividing the total daily emissions from this emissions unit by the number of hours that the Plywood Plant operated that day. The results from these calculations will then be compared to the standard in Condition 8. The calculations for each day must be performed within 7 days of the given day.
 - 9.b. As an alternative to the above emission calculation monitoring, the permittee may keep daily records demonstrating that the production of the Plywood Plant does not exceed 58,700 square feet per hour, 3/8 inch finished basis as a daily hourly average (i.e., the total average hourly production is calculated by dividing the total daily production from the Plywood Plant by the number of hours the plant operated that day). The daily hourly average production values must be computed within 7 days of the given day.
 - 9.c. Recordkeeping: Records shall be maintained of the calculations and the results compared to the standard in Condition 8.

Plywood and Composite Wood Products (PCWP) NESHAP

10. Unless the EPA determines that the affected facilities at this source meet the requirements of the low-risk subcategory, the permittee must comply with the requirements of 40 CFR Part 63, Subpart DDDD by no later than October 1, 2008.
 - 10.a. Should the affected facilities qualify for the low-risk subcategory, the permittee must submit an application for a significant permit modification (moderate level) to the Department within 90 days of the EPA determination date. The permit modification application must contain the operational and / or production requirements that will ensure the affected facilities remain in the low-risk subcategory. [Paragraph 11(b) of Appendix B to Subpart DDDD of Part 63]

Boiler and Process Heater NESHAP

11. The permittee must comply with the requirements of 40 CFR Part 63, Subpart DDDDD by no later than September 13, 2007.

- 11.a. Should the permittee choose to comply with the Health-Based Compliance Alternative, the permittee must submit an eligibility demonstration and an application for a significant permit modification (moderate level) to the Department consistent with the rule. The permit modification application must contain the operational and/or production requirements that defined the affected source(s) as eligible for the Health-Based Compliance Alternative. [Paragraph 8(d) of Appendix A to Subpart DDDDD of Part 63]

BOILER 1 (EU Boiler 1)

Table 2 Summary of Requirements for Emissions Unit Boiler 1:

Applicable Requirement	Requirement Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Requirement	Monitoring Condition Number
340-208-0110	12	Visible emissions	40% opacity (3 min. aggregate in 60 minutes)	Quarterly VE tests or COMS	13
340-228-0210(1)(a)	14	PM	0.2 gr/dscf @12% CO ₂ (avg. of 3 test runs)	See conditions 15-19	15-19

Visible Emissions Standard

12. The permittee must not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is equal to or greater than 40% opacity, excluding uncombined water, from emissions unit Boiler 1. [OAR 340-208-0110]

Visible Emissions Monitoring

13. The permittee must monitor visible emissions from Boiler 1 by Condition 13.a. until 9/13/07, when a continuous opacity monitoring system (COMS) must be installed and operated under Condition 13.b. After 9/13/07, visible emissions must be monitored according to Condition 13.b. using the COMS.

13.a. Conduct a Modified EPA Method 9 test. Each Modified EPA Method 9 test must be a minimum of 6 minutes long unless any one reading is greater than 20% opacity, then the observation period must be 60 minutes or until a violation of the applicable standard in Condition 12 is documented, whichever period is shorter.

13.a.i. The visible emissions tests must be conducted at least once per quarter.

13.a.ii. If any test result exceeds the applicable standard in Condition 12, the permittee must initiate corrective action within 1-hour to bring the boiler into compliance with the applicable standards. Once the corrective actions are completed, a Modified EPA Method 9 test must be conducted as soon as is practicable to demonstrate that the source is in compliance with the applicable standard. If the permittee observes no further exceedances during the Modified EPA Method 9 test, the monitoring frequency can go back to the previous monitoring frequency.

13.a.iii. If the observer is unable to conduct the tests and/or surveys due to darkness or visual interference caused by other visible emission sources or due to adverse weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the observation form and make at least three attempts to conduct the tests and/or surveys at approximately 2-hour intervals throughout the day during daylight hours. The permittee must attempt to conduct the tests daily until a valid observation period is completed.

- 13.a.iv. Recordkeeping: The permittee must maintain records of all visible emissions tests and surveys, including: date, time, observer, observations, results, and any corrective actions taken. If a test is waived, so state on the record.
- 13.b. Install, operate, certify and maintain a continuous opacity monitoring system (COMS) according to the procedures in Conditions 13.b.i. through 13.b.viii. [40 CFR 63.7525(b)]
- 13.b.i. Each COMS must be installed, operated, and maintained according to PS 1 of 40 CFR Part 60, Appendix B. [40 CFR 63.7525(b)(1)]
- 13.b.ii. The permittee must conduct a performance evaluation of each COMS according to the requirements in 40 CFR 63.8 and according to PS 1 of 40 CFR Part 60, Appendix B. [40 CFR 63.7525(b)(2)]
- 13.b.iii. Each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. [40 CFR 63.7525(b)(3)]
- 13.b.iv. The COMS data must be reduced to 6-minute averages calculated from 36 or more data points equally spaced over each 6-minute period as specified in 40 CFR Part 63.8(g)(2). [40 CFR 63.8(g)(2) and 63.7525(b)(4)]
- 13.b.v. The permittee must include in the site-specific monitoring plan procedures and acceptance criteria for operating and maintaining each COMS according to the requirements in 40 CFR Part 63.8(d). At a minimum, the monitoring plan must include a daily calibration drift assessment, a quarterly performance audit, and an annual zero alignment audit of each COMS. [40 CFR 63.8(d) and 63.7525(b)(5)]
- 13.b.vi. The permittee must operate and maintain each COMS according to the requirements in the monitoring plan and the requirements of 40 CFR Part 63.8(e). Identify periods the COMS is out of control including any periods that the COMS fails to pass a daily calibration drift assessment, a quarterly performance audit, or an annual zero alignment audit. [40 CFR 63.7525(b)(6)]
- 13.b.vii. The permittee must determine and record all the 6-minute averages (and 1-hour block averages as applicable) collected for periods during which the COMS is not out of control. [40 CFR 63.7525(b)(7)]
- 13.b.viii. All emission data must be converted into units of the relevant standard for reporting purposes using the conversion procedures specified in that standard. After conversion into units of the relevant standard, the data may be rounded to the same number of significant digits as used in that standard to specify the emission limit (e.g., rounded to the nearest 1 percent opacity). [40 CFR 63.8(g)(4)]
- 13.b.ix. Recordkeeping: The permittee must maintain records of all COMS data according to 40 CFR Part 63, Subpart DDDDD.

PM Emissions Standard

14. The permittee must not cause or allow the emissions of particulate matter in excess of 0.2 gr/dscf corrected to 12% CO₂ from emissions unit Boiler 1. [OAR 340-228-0210(1)(a)]

PM Emissions Monitoring

Inspection and Maintenance Monitoring

15. The permittee must inspect the multiclones and ESP of Boiler 1 at least annually for physical degradation that could affect the performance of the control devices, including but not limited to plugged or worn multiclones, collection plates, seals, demister, and mechanical and electrical systems. The permittee must make all necessary repairs to the units to ensure efficient operation.
 - 15.a. Recordkeeping: The permittee must maintain records of the inspection including date, systems and items inspected, findings, and repair activities undertaken.

Operational Monitoring

16. The permittee shall continue to calibrate, maintain, operate, and record the output of a steam flow meter on Boiler 1 in accordance with the manufacturer's written instructions.
 - 16.a. Recordkeeping: The permittee must maintain records of the total steam produced in thousand pounds for each month of operation of the boiler.

Compliance Assurance Monitoring [40 CFR Part 64]

17. The permittee must continue to calibrate, maintain, and record the output of a continuous parameter monitoring system (CPMS) in accordance with the manufacturer's written instructions for measuring the ESP voltage on Boiler 1. Real time data shall be displayed at least once every minute that the boiler is in operation. Three hour arithmetic averages of the data shall be recorded at the end of each three clock hour period that the boiler is in operation. Minimum data availability shall be in accordance with Condition 49. Monitor availability shall be determined excluding periods of calibrations and routine maintenance.
 - 17.a. The permittee must take corrective action if the collector voltage is less than 30 kilovolts for 6 minutes or longer for all three fields of the ESP (two fields may be less than 30 kilovolts and no corrective action is required). The permittee must operate an alarm system that will notify the control room operator when an excursion occurs. Corrective action must be initiated within one-hour of the start of the excursion to return the ESP to highest and best treatment and control.
 - 17.a.i. An excursion of the approved action level in Condition 17.a. shall not by itself be considered a violation of the particulate matter emission standard in Condition 14.
 - 17.a.ii. Recordkeeping: The permittee must maintain daily records of collector voltages, excursion periods and values, and corrective actions taken.
 - 17.a.iii. Changes to the action level specified in Condition 17.a. require a written request from the permittee to the Department, and Department approval. The Department shall consider the most recent source test that demonstrates compliance with permitted conditions. In addition to the source test report, additional information to be submitted to the Department for review may include, but are not limited to: the monitored boiler steaming rates, opacity, ESP voltages, and/or exhaust gas temperatures for the three month period prior to the test. To submit a requested change to the action levels due to increased steaming rates, the permittee shall wait until after the source test which demonstrates compliance with permit conditions at the higher steaming rate, and then provide the Department with additional information for review which may include, but is not limited to: monitored boiler steaming rates, opacity, fuel characteristics (i.e., moisture content and % fines), ESP voltages, and/or exhaust gas temperatures during the source test and for the three month period after the source test (while operating at the higher steaming rate).

PM Emissions Testing

18. Oregon Method 5 and EPA Methods 1 through 4 must be used for measuring particulate matter emissions from Boiler 1 by no later than 03/13/08. Each test run must be a minimum of 60 minutes long with a minimum sample volume of 31.8 dscf. Test results must be reported as grains per dry standard cubic feet (gr/dscf) corrected to 12% CO₂, pounds per hour, and pounds per thousand pounds of steam produced. In addition to the particulate testing, the boiler must be tested simultaneously for carbon monoxide and nitrogen oxides using Department approved test methods to be submitted along with the pretest plan for particulate testing. If applicable, any testing conducted for MACT compliance purposes can be used to satisfy this condition but must be performed in accordance with Boiler MACT, 40 CFR Part 63, Subpart DDDDD.

18.a. During each test run, the permittee must record the following information:

- 18.a.i. Fuel characteristics including moisture content, species, approximate percentage of wood and bark, the percent by weight that passes a 1/8” sieve, and amount (percentage) of sanderdust burned if not part of the wood/bark fuel characteristic sample;
- 18.a.ii. Visible emissions as measured by the COMS;
- 18.a.iii. Boiler steaming rate (lb/hr) and residual oxygen (%); and
- 18.a.iv. Voltages and exhaust temperature for the ESP.

VENEER DRYERS 1-3 (EUs Dryers 1-3)

Table 3 Summary of Requirements for Emissions Units Dryers 1-3

Applicable Requirement	Requirement Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Requirement	Monitoring Condition Number
340-234-0510(1)	19	Visible emissions	10% average, opacity 20% maximum opacity as 6 min. avg.	Quarterly VE tests	20
340-226-0210(1)(a)	21	PM	0.2 gr/dscf (avg. of 3 test runs)	See conditions 23-25	23-25
340-226-0310	22	PM	Table 1 OAR 340 Division 226	See conditions 23-25	23-25
340-234-0510(1)(e) & (g)	26	Air contaminant emissions	Minimize with highest and best operation	Monthly I & M	27
340-234-0510(1)(f)	28	Air contaminant emissions	Concealing emissions prohibited	Yearly I & M	29

Visible Emissions Standard

19. Applicable Requirement: The permittee shall not cause or allow the operation of emissions units Dryers 1-3 such that visible air contaminants emitted from the dryer stack or emission point exceed an average operating opacity of ten percent or a maximum opacity of 20 percent. [OAR 340-234-0510(1)]

19.a. “Average operating opacity” means the opacity of emissions determined using EPA Method 9 on any three days within a 12-month period which are separated from each other by at least 30 days. A violation of the average operating opacity limitation is judged to have occurred if the opacity of

emissions on each of the three days is greater than the specified average operating opacity limitation. [OAR 340-234-0010]

- 19.b. "Maximum opacity" means the opacity as determined by an EPA Method 9 visible emissions test. [OAR 340-234-0010]

Visible Emissions Monitoring

20. The permittee must monitor visible emissions from emissions units Dryers 1-3 by conducting EPA Method 9 tests at the outlet of each dryer and on the roof vent above each dryer.
- 20.a. The EPA Method 9 test method may be waived provided the permittee conducts a six (6) minute visible emissions survey on the device at the compliance demonstration point using EPA Method 22 and visible emissions, excluding water vapor, are not detected for more than 5% (18 seconds) of the survey time.
- 20.b. The visible emissions tests on each dryer stack and roof vent must be conducted at least once per quarter.
- 20.c. If any test result exceeds the applicable standard in Condition 19, the permittee must initiate corrective action within 1-hour to bring the dryer into compliance with the applicable standards. Upon completion of the corrective actions, a EPA Method 9 test must be conducted as soon as is practicable to demonstrate that the source is in compliance with the applicable standard. If the permittee observes no further exceedances during the EPA Method 9 test, the monitoring frequency can go back to the previous monitoring frequency for the monitoring point that had an exceedance.
- 20.d. If the observer is unable to conduct the tests and/or surveys due to darkness or visual interference caused by other visible emission sources or due to adverse weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the observation form and make at least three attempts to conduct the tests and/or surveys at approximately 2-hour intervals throughout the day during daylight hours. The permittee must attempt to conduct the tests daily until a valid observation period is completed.
- 20.e. All visible emissions tests and surveys shall be conducted during operating conditions that have the potential to create visible emissions (e.g., during loading and/or unloading activities).
- 20.f. Recordkeeping: The permittee must maintain records of all visible emissions tests and surveys, including: date, time, observer, observations, results, and any corrective actions taken.

PM Emission Standards

21. The permittee must not cause or allow the emissions of particulate matter in excess of 0.2 gr/dscf from emissions units Dryers 1-3. [OAR 340-226-0210(1)(a)]
22. The permittee must not cause, suffer, allow, or permit the emissions of particulate matter in any one hour from emissions units Dryers 1-3 in excess of the amount shown in Table 1 of OAR 340 Division 226, for the process weight allocated to that process. [OAR 340-226-0310]

PM Emissions Monitoring

Inspection and Maintenance Monitoring

23. During each regularly scheduled maintenance outage of Dryers 1-3, the permittee must inspect the wet scrubber for physical degradation that could affect the performance of the control device, including but not limited to plugged or missing spray nozzles. The permittee must make all necessary repairs to the units to ensure efficient operation.
- 23.a. If scrubber water is recirculated from a scrubber tank, a maintenance log shall be maintained which designates the dates that the water in the tank is cleaned or replaced with fresh water (not the make-up water from scrubber evaporation during normal operation).
- 23.b. Recordkeeping: The permittee must maintain records of the inspections including date, systems and items inspected, findings, and repair activities undertaken.

Operational Monitoring

24. The permittee must continue to calibrate, maintain, and record the output of a scrubber exhaust temperature monitoring system (CPMS) in accordance with the manufacturer's written instructions on Dryers 1-3 and record the reading at the end of each operating shift that the dryers are in operation. Minimum data availability shall be in accordance with Condition 49. Monitor availability shall be determined excluding periods of calibrations and routine maintenance.
- 24.a. The permittee shall take any necessary corrective action anytime the scrubber exhaust gas temperature is greater than 180 degrees F.
- 24.a.i. An excursion of the approved action level in Condition 24.a. shall not by itself be considered a violation of the particulate matter emission standard in Condition 21.
- 24.a.ii. Recordkeeping: The permittee must maintain records of the scrubber exhaust gas temperatures, any action level excursions, and corrective actions taken.
- 24.a.iii. Changes to the action level specified in Condition 24.a. require a written request from the permittee to the Department, and Department approval. The Department shall consider the most recent source test that demonstrates compliance with permitted conditions. In addition to the source test report, additional information to be submitted to the Department for review may include, but are not limited to: the veneer dryer material drying rates, dryer temperatures, and/or scrubber exhaust gas temperatures for the three month period prior to the test. To submit a requested change to the action level due to increased drying rates, the permittee shall wait until after the source test which demonstrates compliance with permit conditions at the higher drying rate, and then provide the Department with additional information for review which may include, but is not limited to: veneer dryer material drying rates, dryer temperatures, and/or scrubber exhaust gas temperatures during the source test and for the three month period after the source test (while operating at the higher drying rate).

PM Emissions Testing

25. By no later than 04/01/09, Oregon DEQ Method 7 and EPA Methods 1 through 4 shall be used for measuring particulate matter emissions from the wet scrubber on one of the veneer dryers. Each test run shall be a minimum of 60 minutes long with a minimum sample volume of at least 31.8 dscf. Test results shall be reported as grains per dry standard cubic feet (gr/dscf), pounds per hour, and pounds per 1000 ft² on a 3/8" basis of veneer dried. In addition to the particulate testing on the designated veneer dryer, the

dryer shall be tested simultaneously for VOC, methanol, and formaldehyde emissions by Department approved test methods to be submitted along with the pretest plan for particulate testing. If applicable, any testing conducted for MACT compliance purposes can be used to satisfy this condition but must be performed in accordance with Plywood MACT, 40 CFR Part 63, Subpart DDDD.

25.a. During each test run, the permittee shall record the following information:

- 25.a.i. species of veneer dried;
- 25.a.ii. amount of veneer dried (1000 ft²/hr on a 3/8" basis);
- 25.a.iii. amount of redry (%);
- 25.a.iv. visible emissions as measured in accordance with EPA Method 9 within 30 minutes before, during, or within 30 minutes after each ODEQ Method 7 test run, unless weather conditions are such that it is not possible to read opacity;
- 25.a.v. dryer conditions including dryer temperatures by zone and drying time;
- 25.a.vi. scrubber exhaust temperature; and
- 25.a.vii. the date that scrubber tank water was last replaced with fresh water (not the make-up water from scrubber evaporation during normal operation).

Highest and Best

26. Dryers 1-3 shall be maintained and operated at all times such that air contaminant generating processes and all contaminant control equipment shall be at full efficiency and effectiveness so that the emission of air contaminants are kept at the lowest practicable levels. Where effective measures are not taken to minimize fugitive emissions, the Department may require that the equipment or structures in which processing, handling, and storage are done, be tightly closed, modified, or operated in such a way that air contaminants are minimized, controlled, or removed before discharge to the open air. [OAR 340-234-0510(1)(e) and (g)]
27. At least once per month the permittee shall conduct an external inspection of Dryers 1-3 for fugitive emissions and signs physical of degradation. Recordkeeping: Records shall be maintained of each inspection, findings, and corrective actions taken.

Concealing Emissions

28. The permittee shall not willfully cause or permit the installation or use of any means, such as dilution, which, without resulting in a reduction in the total amount of air contaminants emitted, conceals an emission which would otherwise violate OAR 340-234-0510. [OAR 340-234-0510(1)(f)]
29. At least once per calendar year, the permittee shall inspect the Dryers 1-3 to ensure that the dryers have not been altered in such a manner that could conceal the discharge of air contaminant emissions without actually reducing emissions. Recordkeeping: Records shall be maintained of the inspections, findings, and actions taken.

PLYWOOD PRESSES 1-2 (EUs Presses 1-2)**Table 4 Summary of Requirements for Emissions Units Presses 1-2**

Applicable Requirement	Requirement Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Requirement	Monitoring Condition Number
340-208-0110(2)	30	Visible emissions	20% opacity (3 min. aggregate in 60 minutes)	Quarterly VE tests	32
340-226-0210(1)(b)	31	PM	0.1 gr/dscf (avg. of 3 test runs)	Quarterly VE tests	32

Visible Emissions Standard

30. The permittee must not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is equal to or greater than 20% opacity, excluding uncombined water, from emissions units Presses 1-2. [OAR 340-208-0110(2)]

PM Emission Standard

31. The permittee must not cause or allow the emissions of particulate matter in excess of 0.1 gr/dscf from emissions units Presses 1-2. [OAR 340-226-0210(1)(b)]

Visible Emissions and PM Emissions Monitoring

32. The permittee must monitor visible emissions from the Presses 1-2 by conducting a Modified EPA Method 9 test at the outlet of each press vent. Each Modified EPA Method 9 test must be a minimum of 6 minutes long unless any one reading is greater than 20% opacity, then the observation period must be 60 minutes or until a violation of the applicable standard in Condition 30 is documented, whichever period is shorter.
- 32.a. The Modified EPA Method 9 test method may be waived provided the permittee conducts a six (6) minute visible emissions survey on the device at the compliance demonstration point using EPA Method 22 and visible emissions, excluding water vapor, are not detected for more than 5% (18 seconds) of the survey time.
- 32.b. The visible emissions tests on each press vent must be conducted at least once per quarter.
- 32.c. If any test result exceeds the applicable standard in Condition 30, the permittee must initiate corrective action within 1-hour to bring the press into compliance with the applicable standards. Upon completion of the corrective actions, a Modified EPA Method 9 test must be conducted as soon as is practicable to demonstrate that the source is in compliance with the applicable standard. If the permittee observes no further exceedances during the Modified EPA Method 9 test, the monitoring frequency can go back to the previous monitoring frequency for the monitoring point that had an exceedance.
- 32.d. If the observer is unable to conduct the tests and/or surveys due to darkness or visual interference caused by other visible emission sources or due to adverse weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the observation form and make at least three attempts to conduct the tests and/or surveys at approximately 2-hour intervals throughout the day during daylight hours. The permittee must attempt to conduct the tests daily until a valid observation period is completed.

- 32.e. Recordkeeping: The permittee must maintain records of all visible emissions tests and surveys, including: date, time, observer, observations, results, and any corrective actions taken.

MATERIAL HANDLING GROUP M1 (EU M1)

Table 5 Summary of Requirements for Emissions Unit M1

Applicable Requirement	Requirement Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Requirement	Monitoring Condition Number
340-208-0110(2)	33	Visible emissions	20% opacity (3 min. aggregate in 60 minutes)	Quarterly VE tests	35, 36
340-226-0210(1)(b)	34	PM	0.1 gr/dscf (avg. of 3 test runs)	Quarterly VE tests	35, 36

Visible Emissions Standard

33. The permittee must not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is equal to or greater than 20% opacity, excluding uncombined water, from emissions unit M1. [OAR 340-208-0110(2)]

PM Emission Standard

34. The permittee must not cause or allow the emissions of particulate matter in excess of 0.1 gr/dscf from emissions unit M1. [OAR 340-226-0210(1)(b)]

Visible Emissions and PM Emissions Monitoring

35. The permittee must monitor visible emissions from emissions unit M1 by conducting a Modified EPA Method 9 test on each emissions unit at least once per quarter.
36. Each Modified EPA Method 9 test must be a minimum of 6 minutes long unless any one reading is greater than 20% opacity, then the observation period must be 60 minutes or until a violation of the applicable standard in Condition 33 is documented, whichever period is shorter.
- 36.a. The Modified EPA Method 9 test method may be waived provided the permittee conducts a six (6) minute visible emissions survey on the device at the compliance demonstration point using EPA Method 22 and visible emissions, excluding water vapor, are not detected for more than 5% (18 seconds) of the survey time.
- 36.b. If any test result exceeds the applicable standard in Condition 33, the permittee must initiate corrective action within 1-hour to bring the press into compliance with the applicable standards. Upon completion of the corrective actions, a Modified EPA Method 9 test must be conducted as soon as is practicable to demonstrate that the source is in compliance with the applicable standard. If the permittee observes no further exceedances during the Modified EPA Method 9 test, the monitoring frequency can go back to the previous monitoring frequency for the monitoring point that had an exceedance.
- 36.c. All visible emissions tests and surveys shall be conducted during operating conditions that have the potential to create visible emissions (e.g., during loading and/or unloading activities).

- 36.d. If the observer is unable to conduct the tests and/or surveys due to darkness or visual interference caused by other visible emission sources or due to adverse weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the observation form and make at least three attempts to conduct the tests and/or surveys at approximately 2-hour intervals throughout the day during daylight hours. The permittee must attempt to conduct the tests daily until a valid observation period is completed.
- 36.e. Recordkeeping: The permittee must maintain records of all visible emissions tests and surveys, including: date, time, observer, observations, results, and any corrective actions taken.

ROADS and PILES

Table 6 Summary of Requirements for Emissions Units Roads and Piles

Applicable Requirement	Requirement Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Requirement	Monitoring Condition Number
340-208-0110(2)	37	Visible emissions	20% opacity, 3 minute aggregate in 60 minutes	Complaint investigation	38

Visible Emissions Standard

- 37. Applicable Requirement: The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere from the emissions units Roads and Piles for a period or periods aggregating more than three minutes in any one hour which is equal to or greater than 20% opacity, excluding uncombined water. [OAR 340-208-0110(2)]

Visible Emissions Monitoring

- 38. Monitoring Requirement: The permittee shall investigate fugitive emissions complaints in accordance with the requirements of Condition 7.

INSIGNIFICANT ACTIVITIES EMISSION LIMITS AND STANDARDS

- 39. The Department acknowledges that insignificant emissions units (IEUs) identified by rule as either categorically insignificant activities or aggregate insignificant emissions as defined in OAR 340-200-0020 exist at facilities required to obtain an Oregon Title V Operating Permit. IEUs must comply with all applicable requirements. In general, the requirements that could apply to IEUs are incorporated as follows:
 - 39.a. OAR 340-226-0110 (20% opacity)
 - 39.b. OAR 340-228-0210 (0.1 gr/dscf corrected to 12% CO₂ or 50% excess air for fuel burning equipment)
 - 39.c. OAR 340-226-0210 (0.1 gr/dscf for non fugitive, non-fuel burning equipment)
 - 39.d. OAR 340-226-0310 (process weight limit for non fugitive, non-fuel burning process equipment)
- 40. Testing, Monitoring, and Recordkeeping Requirements: Unless otherwise specified in this permit, the Department is not requiring any testing, monitoring, recordkeeping, or reporting for the applicable emissions limits and standards that apply to IEUs. However, if testing were performed for compliance purposes, the permittee would be required to use the test methods identified in the definitions of “opacity” and “particulate matter” in OAR 340-208-0010 and perform the testing in accordance with the Department’s Source Sampling Manual.

PLANT SITE EMISSION LIMITS

41. The plant site emissions must not exceed the following limits for any 12 consecutive calendar month period: [OAR 340-222-0040 through OAR 340-222-0043]

Pollutant	Plant Site Emission Limits (tons)	Unassigned Emissions Prior to July 1, 2007 (tons)	Unassigned Emissions On and after July 1, 2007 (tons)
PM	108	95	25
PM ₁₀	92	24	15
CO	99	-0-	-0-
NO _x	74	-0-	-0-
SO ₂	39	-0-	-0-
VOC	187	-0-	-0-

41.a. The permittee may only use unassigned emissions after any necessary construction (OAR 340-218-0190) and permit revision applications (OAR 340-218-0120 through 340-218-0180) have been approved by the Department. If not used by 07/01/07, the unassigned emissions will be reduced to the SER. [OAR 340-222-0045]

41.b. For annual Title V fee purposes, the permittee need only pay based on the PSEL and in accordance with Oregon Administrative Rules, Division 220.

PSEL Monitoring

42. The permittee must conduct the following monitoring activities to demonstrate compliance with the emission limit requirements of Condition 41. [OAR 340-218-0050(3)]

42.a. The permittee must maintain records of the following process parameters:

Emissions Unit(s)/ Process	Process Parameter	Units	Measurement Technique	Frequency
M1	Veneer dryer production or cyclone throughput	MSF-3/8” finished basis or BDT	Production Records	Daily & Monthly totals
Boiler 1	Steam production	M lbs steam	Steam Flow Meter	Monthly total
Dryers 1-3	Veneer dried by dryer and species (e.g., Douglas Fir, White Fir, Pine, redry)	MSF-3/8” finished basis	Production records	Monthly total
Presses 1-2	Plywood production	MSF-3/8” finished basis	Production records	Daily & Monthly totals

Emissions Unit(s)/ Process	Process Parameter	Units	Measurement Technique	Frequency
Facility VOC	VOC chemical usage	Gallons, VOC content	Usage records, MSDS or CPDS	Monthly total
Steam Tunnels	Green veneer production	MSF-3/8” finished basis	Production records	Monthly total

42.b. The permittee must calculate pollutant mass emissions for each 12 consecutive calendar month period by the end of the following month using the following equation:

$$E = (\sum(P_{eu} \times EF_{eu})/2000) + AI$$

where:

E = pollutant emissions (tons/year)

P_{eu} = process parameters identified in Condition 42.a

EF_{eu} = emission factor identified for each emissions unit and pollutant in Condition 42.e

AI = aggregate insignificant activities = 1 ton (for VOC and PM/PM₁₀ only)

42.c. Compliance with PSELs must be determined using the calculations contained in Condition 42.b using the monitored parameters recorded during the reporting period and the emission factors contained in Condition 42.e, unless the permittee elects to pay emission fees based on actual emissions using a verified emission factor determined in accordance with OAR 340-220-0170. If the permittee is paying on actual emissions based on a verified emission factor, the verified emission factor must be used for determining compliance with the PSEL in accordance with Condition 46.

42.d. As an alternative to performing the emission calculations in Condition 42.b, the permittee may keep records demonstrating that none of the following annual operational parameters are exceeded. The comparison for each 12 consecutive month period must be performed by the last day of the following month. An exceedance of an operational parameter is not necessarily a violation of the PSEL. Should an operational exceedance occur, the permittee must calculate the actual emissions for the period in accordance with Condition 42.b.

42.d.i. Total Steam Production from Boiler #1 must less than 678 MMlbs.

42.d.ii. Total Plywood Production must be less than 265,000 Msf—3/8” finished.

42.d.iii. Dryers 1-3 Total Dried Douglas Fir Production must be less than 180,930 Msf—3/8” finished.

42.e. The emission factors for calculating pollutant emissions are as follows:

Emissions Unit	Pollutant	Fuel Type or Device	Emission Factor	Units
Boiler #1	PM/PM ₁₀	Hogged fuel/sander dust	0.071* /0.071	lb/Mlb steam
	CO	Hogged fuel/sander dust	0.251	lb/Mlb steam
	NO _x	Hogged fuel/sander dust	0.217	lb/Mlb steam
	SO ₂	Hogged fuel/sander dust	0.051	lb/Mlb steam
	VOC	Hogged fuel/sander dust	0.004	lb/Mlb steam
Dryers 1 thru 3 (Stack emissions only)	PM/PM ₁₀	Douglas Fir/Pine	0.393*	b/MSF
		White Fir	0.107*	lb/MSF
		Redry	0.03	lb/MSF

Emissions Unit	Pollutant	Fuel Type or Device	Emission Factor	Units
	VOC ^(b)	Douglas Fir/Pine	1.187*	b/MSF
		White Fir	0.25	lb/MSF
		Redry	0.15	lb/MSF
Presses 1-2	PM/PM ₁₀	Plywood	0.10	lb/MSF
	VOC ^(b)	Plywood	0.224	lb/MSF
M1	PM	Cyclones	0.50	lb/BDT
	PM ₁₀	Cyclones	0.25	lb/BDT
Piles	PM/PM ₁₀	none	1233/617**	lb/month
	VOC ^(a)	none	1677**	lb/month
Steam Tunnels	VOC ^(c)	none	0.0744	lb/MSF green veneer
Facility VOC	VOC	none	material balance	lb/month & ton/yr
Paved Roads	PM/PM ₁₀	none	1317/250**	lb/month
Unpaved Roads	PM/PM ₁₀	none	150/50**	lb/month

* The emission factors highlighted in bold and/or asterisk are ones that the permittee shall verify sometime during the permit term. The slash (/) between numbers in the table separates the PM emission factor from the PM₁₀ emission factor. Only the boilers and plywood dryers that are required to be source tested to demonstrate compliance are required to be source tested for EF verification.

** Emission rate

Notes

- (a) VOC = VOC as propane
- (b) VOC = VOC as propane + methanol + formaldehyde
- (c) VOC = VOC as total speciated VOCs

42.f. The emission factors listed in Condition 42.e are not enforceable limits unless otherwise specified in this permit.

GENERAL TESTING REQUIREMENTS

- 43. Unless otherwise specified in this permit, the permittee must conduct all testing in accordance with the Department’s Source Sampling Manual. [OAR 340-212-0120]
 - 43.a. Unless otherwise specified by a state or federal regulation, the permittee must submit a source test plan to the Department at least 30 days prior to the date of the test. The test plan must be prepared in accordance with the Source Sampling Manual and address any planned variations or alternatives to prescribed test methods. The permittee should be aware that if significant variations are requested, it may require more than 30 days for the Department to grant approval and may require EPA approval in addition to approval by the Department.
 - 43.b. Only regular operating staff may adjust the processes or emission control device parameters during a compliance source test and within two (2) hours prior to the tests. Any operating adjustments made during a compliance source test, which are a result of consultation during the tests with source testing personnel, equipment vendors, or consultants, may render the source test invalid.
 - 43.c. Unless otherwise specified by permit condition or Department approved source test plan, all compliance source tests must be performed as follows:
 - 43.c.i. at least 90% of the design capacity for new or modified equipment;
 - 43.c.ii. at least 90% of the maximum operating rate for existing equipment; or

- 43.c.iii. at 90 to 110% of the normal maximum operating rate for existing equipment. For purposes of this permit, the normal maximum operating rate is defined as the 90th percentile of the average hourly operating rates during a 12 month period immediately preceding the source test. Data supporting the normal maximum operating rate must be included with the source test report.
- 43.d. Each source test must consist of at least three (3) test runs and the emissions results must be reported as the arithmetic average of all valid test runs. If for reasons beyond the control of the permittee a test run is invalid, the Department may accept two (2) test runs for demonstrating compliance with the emission limit or standard.
- 43.e. Source test reports prepared in accordance with the Department's Source Sampling Manual must be submitted to the Department within 60 days of completing any required source test, unless a different time period is approved in the source test plan submitted prior to the source test.
44. "Modified EPA Method 9" means the minimum visible emission observation period must be six minutes, though longer periods may be required by a specific rule or permit condition. During the test period, if any one reading is equal to or equal to or greater than the visible emissions limit for the emissions unit, then the observation period must be a minimum of 60 minutes or until a violation of the emissions standard has been documented; whichever is a shorter period. Aggregate times (e.g., 3 minutes in any one hour) consist of the total duration of all readings during the observation period that are equal to or exceed the opacity percentage in the standard, whether or not the readings are consecutive. Each EPA Method 9 reading represents 15 seconds of time. [See the definition of "Opacity" in OAR 340-208-0010]

GENERAL MONITORING AND RECORDKEEPING REQUIREMENTS

General Title V Monitoring Requirements

45. The permittee must not knowingly render inaccurate any required monitoring device or method. [OAR 340-218-0050(3)(a)(E)]
46. Methods used to determine actual emissions for fee purposes must also be used for compliance determination and can be no less rigorous than the requirements of OAR 340-218-0080. [OAR 340-218-0050(3)(a)(F)]
47. Monitoring requirements must commence on the date of permit issuance unless otherwise specified in the permit or an applicable requirement. [OAR 340-218-0050(3)(a)(G)]

General Title V Recordkeeping Requirements

48. The permittee must maintain the following general records of testing and monitoring required by this permit: [OAR 340-218-0050(3)(b)(A)]
- 48.a. the date, place as defined in the permit, and time of sampling or measurements;
- 48.b. the date(s) analyses were performed;
- 48.c. the company or entity that performed the analyses;
- 48.d. the analytical techniques or methods used;
- 48.e. the results of such analyses;
- 48.f. the operating conditions as existing at the time of sampling or measurement; and
- 48.g. the records of quality assurance for continuous monitoring systems (including but not limited to quality control activities, audits, calibration drift checks).
49. Unless otherwise specified by permit condition, the permittee must make every effort to maintain 100 percent of the records required by the permit. If information is not obtained or recorded for legitimate

reasons (e.g., the monitor or data acquisition system malfunctions due to a power outage), the missing record(s) will not be considered a permit deviation provided the amount of data lost does not exceed 10% of the averaging periods in a reporting period or 10% of the total operating hours in a reporting period, if no averaging time is specified. Upon discovering that a required record is missing, the permittee must document the reason for the missing record. In addition, any missing record that can be recovered from other available information will not be considered a missing record. [OAR 340-214-0110, 340-212-0160, and 340-218-0050(3)(b)]

50. Recordkeeping requirements must commence on the date of permit issuance unless otherwise specified in the permit or an applicable requirement. [OAR 340-218-0050(3)(b)(C)]
51. Unless otherwise specified, the permittee must retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. [OAR 340-218-0050(b)(B)]

REPORTING REQUIREMENTS

General Title V Reporting Requirements

52. Excess Emissions Reporting: The permittee must report all excess emissions in accordance with OAR 340-214-0300 through 340-214-0360. In summary, the permittee must immediately (i.e., as soon as possible but in no case more than one hour after the beginning of the excess emission period) notify the Department by telephone or in person of any excess emission, other than pre-approved startup, shutdown, or scheduled maintenance. Notification must, to the extent reasonably ascertainable at the time of notification, include the source name, nature of the emissions problem, name of the person making the report, name and telephone number of the contact person for further information, date and time of the onset of the upset condition, whether or not the incident was planned, the cause of the excess emission (e.g., startup, shutdown, maintenance, breakdown, or other), equipment involved in the upset, estimated type and quantity of excess emissions, estimated time of return to normal operations, efforts made to minimize emissions, and a description of remedial actions to be taken. Follow-up reporting must be made in accordance with Department direction and OAR 340-214-0330(2) and 340-214-0340.
 - 52.a. In the event of any excess emissions which are of a nature that could endanger public health and occur during non-business hours, weekends, or holidays, the permittee must immediately notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.
 - 52.b. If startups, shutdowns, or scheduled maintenance may result in excess emissions, the permittee must submit startup, shutdown, or scheduled maintenance procedures used to minimize excess emissions to the Department for prior authorization, as required in OAR 340-214-0310 and 340-214-0320. New or modified procedures must be received by the Department in writing at least 72 hours prior to the first occurrence of the excess emission event. The permittee must abide by the approved procedures and have a copy available at all times.
 - 52.c. The permittee must notify the Department of planned startup/shutdown or scheduled maintenance events only if required by permit condition or if the source is located in a nonattainment area for a pollutant which may be emitted in excess of applicable standards.
 - 52.d. The permittee must maintain and submit to the Department a log of planned and unplanned excess emissions, on Department approved forms, in accordance with OAR 340-214-0340.

53. Permit Deviation Reporting. The permittee must promptly report deviations from permit requirements that do not cause excess emissions, including those attributable to upset conditions, as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. "Prompt" means within seven (7) days of the deviation. Deviations that cause excess emissions, as specified in OAR 340-214-0300 through 340-214-0360 must be reported in accordance with OAR 340-214-0340. [OAR 340-218-0050(3)(c)(B)]

Semi-annual and Annual Title V Reports

54. The permittee must submit four (4) copies of reports of any required monitoring at least every 6 months, completed on forms approved by the Department. Six month periods are January 1 to June 30, and July 1 to December 31. One copy of the report must be submitted to the Air Quality Division, two copies to the regional office, and one copy to the EPA. All instances of deviations from permit requirements must be clearly identified in such reports: [OAR 340-218-0050(3)(c)(A) and 340-218-0080(6)(d)]
- 54.a. The first semi-annual report must be submitted no later than **August 30** and must include the semi-annual compliance certification (Form R1002 and if applicable R1003). [OAR 340-218-0080].
- 54.b. The annual report must be submitted no later than **March 15** and must consist of the following:
- 54.b.i. The emission fee report (Forms F1101 – F1106, as applicable). [OAR 340-220-0100]
- 54.b.ii. The annual emission inventory report for the prior calendar year (Form R1001). [40 CFR part 51]
- 54.b.iii. A copy of the excess emissions upset log entries. [OAR 340-214-0340]
- 54.b.iv. The second semi-annual compliance certification (Form R1002 and if applicable R1003). [OAR 340-218-0080]
55. The semi-annual compliance certification must include the following (provided that the identification of applicable information may cross-reference the permit or previous reports, as applicable): [OAR 340-218-0080(6)(c)]
- 55.a. The identification of each term or condition of the permit that is the basis of the certification;
- 55.b. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means must include, at a minimum, the methods and means required under OAR 340-218-0050(3). *Note: Certification of compliance with the monitoring conditions in the permit is sufficient to meet this requirement, except when the permittee must certify compliance with new applicable conditions that are incorporated by reference. When certifying compliance with new applicable conditions that are incorporated by reference, the permittee must provide the information required by this condition.* If necessary, the owner or operator also must identify any other material information that must be included in the certification to comply with section 113(c)(2) of the FCAA, which prohibits knowingly making a false certification or omitting material information;
- 55.c. The status of compliance with terms and conditions of the permit for the period covered by the certification, based on the method or means designated in Condition 55.b.. The certification must identify each deviation and take it into account in the compliance certification. The certification must also identify as possible exceptions to compliance any periods during which compliance is

required and in which an excursion or exceedance, as defined under OAR 340-200-0020, occurred; and

55.d. Such other facts as the Department may require to determine the compliance status of the source.

55.e. Notwithstanding any other provision contained in any applicable requirement, the owner or operator may use monitoring as required under OAR 340-218-0050(3) and incorporated into the permit, in addition to any specified compliance methods, for the purpose of submitting compliance certifications. [OAR 340-218-0080(6)(e)]

Other Title V Reporting Requirements

56. All required reports must be certified by a responsible official consistent with OAR 340-218-0040(5). [OAR 340-218-0050(3)(c)(D)]

57. Reporting requirements shall commence on the date of permit issuance unless otherwise specified in the permit. [OAR 340-218-0050(3)(c)(E)]

58. Addresses of regulatory agencies are the following, unless otherwise instructed:

DEQ – Western Region 750 Front Street NE, Suite 120 Salem, OR 97301-1039 (503) 378-8240	DEQ – Air Quality Division 811 SW Sixth Avenue Portland, OR 97204 (503) 229-5359	Air Operating Permits US Environmental Protection Agency Mail Stop OAQ-108 1200 Sixth Avenue Seattle, WA 98101
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NON-APPLICABLE REQUIREMENTS

59. State and Federal air quality requirements (e.g., rules and regulations) currently determined not applicable to the permittee are listed below along with the reason for the non-applicability: [OAR 340-218-0110]

Applicable Requirement	Reason Code	Applicable Requirement	Reason Code	Applicable Requirement	Reason Code	Applicable Requirement	Reason Code
OAR Chapter 340:		Division 222:		0210 through	b	Division 264:	
Division 202	i	0042	h	0270		0100 through	d
Division 206		0060	h	0310 through	b	0160	
0050	c	Division 224:		0360		0190	e
Division 208		0050	c	0410 through	b	Division 268	h
0500 through	d	0060	c	0430		40 CFR:	
0630		Division 225:		0520	b	Part 55	b
Division 210:		0045	c	0530	b	Part 57	b
0100 through	b	Division 226:		Division 236	b	Part 60,	b
0120		0400	h	Division 238:		except	
Division 212:		Division 228:		0060 through	e	subparts A,	
0210 through	j	0100	f	0100		Dc, and	
0270		0120	f	Division 240	c	appendixes	
Division 214:		0130	f	Division 242	c	Part 61,	b
0200 through	b	0200	e	Division 244:		except	
0220		0300	b	0110 through	h	subpart A, M,	
Division 218:		Division 230	e	0180		and	
0050(4)	b	Division 232	b or c	0230	b	appendices	
0050(8)	h	Division 234:		Division 256	b	Part 63,	b
0090	b	0110 through	e	Division 258	b	except	
0100	b	0140		Division 260	b	subparts A,	

Applicable Requirement	Reason Code	Applicable Requirement	Reason Code	Applicable Requirement	Reason Code	Applicable Requirement	Reason Code
DDDD, DDDDD, and appendices Part 68	b	Parts 72 through 76 Part77 Part78	b b b	Part 82, except subpart F Parts 85	b	through 89	

Reason code definitions:

- a this pollutant is not emitted by the facility
- b the facility is not in this source category
- c the facility is not in a special control/nonattainment area
- d the facility is not in this county
- e the facility does not have this emissions unit
- f the facility does not use this fuel type
- g the rule does not apply because no changes have been made at the facility that would trigger these procedural requirements
- h this method/procedure is not used by the facility
- i this rule applies only to DEQ and regional authorities
- j. there are no emissions units with add-on control devices or the pre-controlled potential emissions are less than 100 tons per year or the emissions units with add-on control devices and pre-controlled emissions greater than 100 tons per year are subject to emissions standards promulgated after November of 1990
- k. 

GENERAL CONDITIONS

G1. General Provision

Terms not otherwise defined in this permit have the meaning assigned to such terms in the referenced regulation.

G2. Reference materials

Where referenced in this permit, the versions of the following materials are effective as of the dates noted unless otherwise specified in this permit:

- a. Source Sampling Manual; January 23, 1992 - State Implementation Plan Volume 3, Appendix A4;
- b. Continuous Monitoring Manual; January 23, 1992 - State Implementation Plan Volume 3, Appendix A6; and
- c. All state and federal regulations as in effect on the date of issuance of this permit.

G3. Compliance [OAR 340-218-0040(3)(n)(C), 340-218-0050(6), and 340-218-0080(4)]

- a. The permittee must comply with all conditions of this permit. Any permit condition noncompliance constitutes a violation of the Federal Clean Air Act and/or state rules and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of a permit renewal application. Any noncompliance with a permit condition specifically designated as enforceable only by the state constitutes a violation of state rules only and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of a permit renewal application.
- b. Any schedule of compliance for applicable requirements with which the source is not in compliance at the time of permit issuance is supplemental to, and does not sanction noncompliance with the applicable requirements on which it is based.

- c. For applicable requirements that will become effective during the permit term, the source must meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement.

G4. Masking Emissions:

The permittee must not install or use any device or other means designed to mask the emission of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement. [OAR 340-208-0400] This condition is only enforceable by the state.

G5. Credible Evidence:

Notwithstanding any other provisions contained in any applicable requirement, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any such applicable requirements. [OAR 340-214-0120]

G6. Certification [OAR 340-214-0110, 340-218-0040(5), 340-218-0050(3)(c)(D), and 340-218-0080(2)]

Any document submitted to the Department or EPA pursuant to this permit must contain certification by a responsible official of truth, accuracy and completeness. All certifications must state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and, complete. The permittee must promptly, upon discovery, report to the Department a material error or omission in these records, reports, plans, or other documents.

G7. Open Burning [OAR Chapter 340, Division 264]

The permittee is prohibited from conducting open burning, except as may be allowed by OAR 340-264-0020 through 340-264-0200.

G8. Asbestos [40 CFR Part 61, Subpart M (federally enforceable), OAR Chapter 340-248-0005 through 340-248-0180 (state-only enforceable) and 340-248-0205 through 340-248-0280]

The permittee must comply with OAR Chapter 340, Division 248, and 40 CFR Part 61, Subpart M when conducting any renovation or demolition activities at the facility.

G9. Stratospheric Ozone and Climate Protection [40 CFR 82 Subpart F, OAR 340-260-0040]

The permittee must comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Recycling and Emissions Reduction.

G10. Permit Shield [OAR 340-218-0110]

- a. Compliance with the conditions of the permit is deemed compliance with any applicable requirements as of the date of permit issuance provided that:
 - i. such applicable requirements are included and are specifically identified in the permit, or
 - ii. the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.
- b. Nothing in this rule or in any federal operating permit alters or affects the following:

- i. the provisions of ORS 468.115 (enforcement in cases of emergency) and ORS 468.035 (function of department);
 - ii. the liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
 - iii. the applicable requirements of the national acid rain program, consistent with section 408(a) of the FCAA; or
 - iv. the ability of the Department to obtain information from a source pursuant to ORS 468.095 (investigatory authority, entry on premises, status of records).
- c. Sources are not shielded from applicable requirements that are enacted during the permit term, unless such applicable requirements are incorporated into the permit by administrative amendment, as provided in OAR 340-218-0150(1)(h), significant permit modification, or reopening for cause by the Department.

G11. Inspection and Entry [OAR 340-218-0080(3)]

Upon presentation of credentials and other documents as may be required by law, the permittee must allow the Department of Environmental Quality, or an authorized representative (including an authorized contractor acting as a representative of the EPA Administrator), to perform the following:

- a. enter upon the permittee's premises where an Oregon Title V Operating Permit program source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- b. have access to and copy, at reasonable times, any records that must be kept under conditions of the permit;
- c. inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- d. as authorized by the FCAA or state rules, sample or monitor, at reasonable times, substances or parameters, for the purposes of assuring compliance with the permit or applicable requirements.

G12. Fee Payment [OAR 340-220-0010, and 340-220-0030 through 340-220-0190]

The permittee must pay an annual base fee and an annual emission fee for all regulated air pollutants except for carbon monoxide, any class I or class II substance subject to a standard promulgated under or established by Title VI of the Federal Clean Air Act, or any pollutant that is a regulated air pollutant solely because it is subject to a standard or regulation under section 112(r) of the Federal Clean Air Act. The permittee must submit payment to the Department of Environmental Quality, Business Office, 811 SW 6th Avenue, Portland, OR 97204, within 30 days of the date the Department mails the fee invoice or August 1 of the year following the calendar year for which emission fees are paid, whichever is later. Disputes must be submitted in writing to the Department of Environmental Quality. Payment must be made regardless of the dispute. User-based fees will be charged for specific activities (e.g., computer modeling review, ambient monitoring review, etc.) requested by the permittee.

G13. Off-Permit Changes to the Source [OAR 340-218-0140(2)]

- a. The permittee must monitor for, and record, any off-permit change to the source that:
 - i. is not addressed or prohibited by the permit;
 - ii. is not a Title I modification;
 - iii. is not subject to any requirements under Title IV of the FCAA;
 - iv. meets all applicable requirements;
 - v. does not violate any existing permit term or condition; and

- vi. may result in emissions of regulated air pollutants subject to an applicable requirement but not otherwise regulated under this permit or may result in insignificant changes as defined in OAR 340-200-0020.
- b. A contemporaneous notification, if required under OAR 340-218-0140(2)(b), must be submitted to the Department and the EPA.
- c. The permittee must keep a record describing off-permit changes made at the facility that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those off-permit changes.
- d. The permit shield of Condition G10 does not extend to off-permit changes.

G14. Section 502(b)(10) Changes to the Source [OAR 340-218-0140(3)]

- a. The permittee must monitor for, and record, any section 502(b)(10) change to the source, which is defined as a change that would contravene an express permit term but would not:
 - i. violate an applicable requirement;
 - ii. contravene a federally enforceable permit term or condition that is a monitoring, recordkeeping, reporting, or compliance certification requirement; or
 - iii. be a Title I modification.
- b. A minimum 7-day advance notification must be submitted to the Department and the EPA in accordance with OAR 340-218-0140(3)(b).
- c. The permit shield of Condition G10 does not extend to section 502(b)(10) changes.

G15. Administrative Amendment [OAR 340-218-0150]

Administrative amendments to this permit must be requested and granted in accordance with OAR 340-218-0150. The permittee must promptly submit an application for the following types of administrative amendments upon becoming aware of the need for one, but no later than 60 days of such event:

- a. legal change of the registered name of the company with the Corporations Division of the State of Oregon, or
- b. sale or exchange of the activity or facility.

G16. Minor Permit Modification [OAR 340-218-0170]

The permittee must submit an application for a minor permit modification in accordance with OAR 340-218-0170.

G17. Significant Permit Modification [OAR 340-218-0180]

The permittee must submit an application for a significant permit modification in accordance with OAR 340-218-0180

G18. Staying Permit Conditions [OAR 340-218-0050(6)(c)]

Notwithstanding Conditions G16 and G17, the filing of a request by the permittee for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

G19. Construction/Operation Modification [OAR 340-218-0190]

The permittee must obtain approval from the Department prior to construction or modification of any stationary source or air pollution control equipment in accordance with OAR 340-210-0200 through OAR 340-210-0250.

G20. New Source Review Modification [OAR 340-224-0010]

The permittee may not begin construction of a major source or a major modification of any stationary source without having received an air contaminant discharge permit (ACDP) from the Department and having satisfied the requirements of OAR 340, Division 224.

G21. Need to Halt or Reduce Activity Not a Defense [OAR 340-218-0050(6)(b)]

The need to halt or reduce activity will not be a defense. It will not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

G22. Duty to Provide Information [OAR 340-218-0050(6)(e) and OAR 340-214-0110]

The permittee must furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee must also furnish to the Department copies of records required to be retained by the permit or, for information claimed to be confidential, the permittee may furnish such records to the Department along with a claim of confidentiality.

G23. Reopening for Cause [OAR 340-218-0050(6)(c) and 340-218-0200]

- a. The permit may be modified, revoked, reopened and reissued, or terminated for cause as determined by the Department.
- b. A permit must be reopened and revised under any of the circumstances listed in OAR 340-218-0200(1)(a).
- c. Proceedings to reopen and reissue a permit must follow the same procedures as apply to initial permit issuance and affect only those parts of the permit for which cause to reopen exists.

G24. Severability Clause [OAR 340-218-0050(5)]

Upon any administrative or judicial challenge, all the emission limits, specific and general conditions, monitoring, recordkeeping, and reporting requirements of this permit, except those being challenged, remain valid and must be complied with.

G25. Permit Renewal and Expiration [OAR 340-218-0040(1)(a)(D) and 340-218-0130]

- a. This permit expires at the end of its term, unless a timely and complete renewal application is submitted as described below. Permit expiration terminates the permittee's right to operate.
- b. Applications for renewal must be submitted at least 12 months before the expiration of this permit, unless the Department requests an earlier submittal. If more than 12 months is required to process a permit renewal application, the Department must provide no less than six (6) months for the owner or operator to prepare an application.
- c. Provided the permittee submits a timely and complete renewal application, this permit will remain in effect until final action has been taken on the renewal application to issue or deny the permit.

G26. Permit Transference [OAR 340-218-0150(1)(d)]

The permit is not transferable to any person except as provided in OAR 340-218-0150(1)(d).

G27. Property Rights [OAR 340-200-0020 and 340-218-0050(6)(d)]

The permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations, except as provided in OAR 340-218-0110.

G28. Permit Availability [OAR 340-200-0020 and 340-218-0120(2)]

The permittee must have available at the facility at all times a copy of the Oregon Title V Operating Permit and must provide a copy of the permit to the Department or an authorized representative upon request.

ALL INQUIRIES SHOULD BE DIRECTED TO:

DEQ-Western Region
750 Front St. NE, Suite 120
Salem, OR 97301-1039
(503) 378-8240