



State of Oregon
Department of
Environmental
Quality

**OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
OREGON TITLE V OPERATING PERMIT**

Western Region
4026 Fairview Industrial Drive SE
Salem, Oregon 97302

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

ISSUED TO:

Boise Cascade Wood Products, L.L.C.
P.O. Box 100
Medford, OR 97501

INFORMATION RELIED UPON:

Application Number: 25754
Received: 12/29/10
Revised: 12/20/12, 7/30/18, 11/1/19

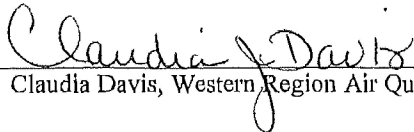
PLANT SITE LOCATION:

North Pacific Highway & Elk St.
Medford, OR 97501

LAND USE COMPATIBILITY STATEMENT:

Issued by: Jackson County
Dated: 4/03/2000

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY


Claudia Davis, Western Region Air Quality Manager

FEB 20 2020
Date

<u>Nature of Business</u>	<u>SIC</u>	<u>NAICS</u>
Plywood Manufacturing and/or veneer drying finished product;	2436	321212

RESPONSIBLE OFFICIAL

Title: Region Manager
Production Manager

FACILITY CONTACT PERSON

Name: Kathy Sperle
Title: Region Environmental Manager
Phone: (541) 858-6783

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LIST OF ABBREVIATIONS THAT MAY BE USED IN THIS PERMIT

ACDP	Air Contaminant Discharge Permit
Aet	Federal Clean Air Act
ASTM	American Society of Testing and Materials
Btu	British thermal unit
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CO _{2e}	carbon dioxide equivalent
CPMS	Continuous parameter monitoring system
DEQ	Department of Environmental Quality
dscf	Dry standard cubic feet
EF	Emission factor
EPA	US Environmental Protection Agency
EU	Emissions Unit
FCAA	Federal Clean Air Act
FSA	Fuel sampling and analysis
GDF	Gasoline Dispensing Facility
GHG	greenhouse gas
gr/dscf	Grain per dry standard cubic feet (1 pound = 7000 grains)
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040
HCFC	Halogenated Chloro-Fluoro-Carbons
ID	Identification number or label
I&M	Inspection and maintenance
NA	Not applicable
NO _x	Nitrogen oxides
O ₂	Oxygen
OAR	Oregon Administrative Rules
ODEQ	Oregon Department of Environmental Quality
ORS	Oregon Revised Statutes
O&M	Operation and maintenance
Pb	Lead
PCD	Pollution Control Device
PM	Particulate matter
PM ₁₀	Particulate matter less than 10 microns in size
PM _{2.5}	Particulate matter less than 2.5 microns in size
ppm	Parts per million
PSBL	Plant Site Emission Limit
psia	pounds per square inch, actual
SERP	Source emissions reduction plan
SO ₂	Sulfur dioxide
ST	Source test TACT Typically Achievable Control Technology
VE	Visible emissions
VMT	Vehicle miles traveled
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, meaning that they are enforceable by DEQ, EPA, and citizens under the Clean Air Act, except Conditions 11, 12, 13, G5, and G9 (OAR 340-218-0070) 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 Description	EUID	Pollution Control Device/Practice	PCD ID
Biomass Boilers 1, 2 and 3	EU1	ESP-1	ESP-1
Veneer Dryers *	EU2	none	none
Veneer Dryer Fugitives		RTO-1	RTO-1
Current configuration:		RTO-2	RTO-2
6 and 7		RTO-1	RTO-1
2, 3, 4, and 8		RTO-2	RTO-2
After Dryer 9 (final proposed dryer) is installed:	EU2	RTO-1	RTO-1
Dryers 6 and 7		RTO-2	RTO-2
Dryers 4, 8, and 9 (dryers 2 & 3 proposed removal)		RTO-1	RTO-1
Plywood Prod. Building 1; Plywood Presses 1, 2, 3 & 4	EU3a	none	none
Plywood Prod. Building 2; Plywood Presses 5, 6 & 7	EU3b	none	none
Baghouses (C)	EU5a	baghouses	baghouses
Baghouses (G, E & F)	EU5b	none	none
Facility Wide VOCs	EU6	none	none
Material Handling Fugitives	EU506	none	none
Unpaved Roads	EU508	none	none
Categorically Insignificant Activities, including Fire Pump Engine	-	-	-
Aggregate Insignificant Activities, including resin tanks	-	-	-

~~*The completion of the construction process of the new dryer and the older ones removed or rerouted to another RTO will require source testing to demonstrate compliance with the permit limits and testing requirements as noted in Condition 32 and 33.~~

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

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

Facility-wide Requirements

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Averaging Time	Testing Condition	Monitoring Condition
340-208-0210(1)	4	Fugitive Emissions	Minimize	NA	NA	6
340-240-0180	5	FEC Plan	Develop and implement plan	NA	NA	5
340-240-0190	7	O & M Plan	Develop and implement plan	NA	NA	8
340-206-0050	9	SERP	Source Emission Reduction Plan	NA	NA	9
340-208-0300	11	Nuisance	No nuisance	NA	NA	13
340-208-0450	12	PM > 250µ	no fallout	NA	NA	13
340-234-0510(2)(a)	14	PM	120 lbs/hr	NA	41	15
40 CFR Part 68	16	Risk Management	Risk Management Plan	NA	NA	16
40 CFR Part 63, Subpart DDDD	17.a	HAPs	See Subpart DDDD and Appendix A	Appendix A	Appendix A	Appendix A
40 CFR Part 63 Subpart DDDDD	17.b	HAPs	See Subpart DDDDD and Appendix B	Appendix B	Appendix B	Appendix B

Fugitive PM Emissions

4. Applicable Requirement: 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. [OAR 340-208-0210(1)]
 - 4.a. Such reasonable precautions must include, but not be limited to the following:
 - 4.a.i. 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.a.ii. Application of water, or other suitable chemicals on unpaved roads, materials stockpiles, and other surfaces which can create airborne dusts;
 - 4.a.iii. Full or partial enclosure of materials stockpiles in cases where application of water or chemicals are not sufficient to prevent particulate matter from becoming airborne;
 - 4.a.iv. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials;

- 4.a.v. Adequate containment during sandblasting or other similar operations;
- 4.a.vi. Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne; and
- 4.a.vii. Prompt removal from paved streets of earth or other material that does or may become airborne.

5. **Applicable Requirement:** The permittee shall prepare and implement a fugitive emission control (FEC) plan which shall identify reasonable measures to prevent particulate matter from becoming airborne. Special care will be taken by the facility to avoid the migration of material onto the public road system.
- 5.a. Such reasonable measures include, but are not limited to those identified in Condition 4.a and the following: [OAR 340-240-0180(2)]
 - 5.a.i. The systematic paving of all unpaved roads and areas on which vehicular traffic occurs. Until an area is paved, subsection 5.a.ii applies;
 - 5.a.ii. Scheduled application of water, or other suitable chemicals on unpaved roads, log storage or sorting yards, materials stockpiles, and other surfaces which can create airborne dust. Dust suppressant material must not adversely affect water quality;
 - 5.a.iii. Periodic sweeping or cleaning of paved roads and other areas as necessary to prevent migration of material onto the public road system;
 - 5.a.iv. Full or partial enclosure of materials stockpiled in cases where application of water or suitable chemicals are not sufficient to prevent particulate matter from becoming airborne;
 - 5.a.v. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials;
 - 5.a.vi. Adequate containment during sandblasting or other similar operations;
 - 5.a.vii. Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne; and
 - 5.a.viii. Procedures for the prompt removal of earthen material, dirt, dust, or other material from paved streets.
 - 5.b. Reasonable measures may include landscaping and using vegetation to reduce the migration of material onto public and private roadways.
 - 5.c. The permittee shall supervise and control fugitive emissions and material that may become airborne caused by the activity of outside contractors delivering or removing materials at the site.
 - 5.d. The site specific fugitive emissions control plan must be submitted to DEQ prior to or within 60 days of permit issuance or renewal. DEQ will approve or deny the plan within 30 days.
 - 5.e. The FEC plan shall be reviewed at least annually and revise per the review. Revision does not constitute a reopening of this permit.
6. **Monitoring Requirement:** At least once each quarter for a minimum period of 30 minutes, the permittee must visually survey the plant for any sources of excess fugitive emissions. This does not include the following emission units: EU1, EU2, veneer dryer fugitives, EU5a and EU5b. For the purpose of this survey, excess fugitive emissions are considered to be any visible emissions that leave the plant site boundaries for more than 18 seconds in a six minute period. If sources of visible emissions are identified, the permittee must: [OAR 340-218-0050(3)(e)(C)]
- 6.a. Immediately conduct a EPA Method 9 at the plant site boundary; or
 - 6.b. Immediately take corrective action to minimize the fugitive emissions, including but not limited to those actions identified in Condition 4; or
 - 6.c. Implement the fugitive emission control plan required by condition 5 whenever fugitive emissions leave the property for more than 18 seconds in a six minute period. Measured by a Method 22. [OAR 340-218-0050(3)(e)]

- 6.d. Recordkeeping: The permittee must maintain records of the fugitive emissions surveys, corrective actions (if necessary), and/or the results of any EPA Method 9 tests or Method 22 observations.
7. Applicable Requirement: The permittee shall prepare and implement an operation and maintenance (O&M) plan for the following particulate control devices: ~~DESP-1, RTO-1, RTO-2 and Baghouses C, F and G.~~ The O&M plan should consider, but not be limited to the requirements of the monitoring conditions in this permit and the following: [OAR 340-240-0190]
- 7.a. Personnel training in operation and maintenance;
 - 7.b. Preventative maintenance procedures, schedule and records;
 - 7.c. Logging of the occurrence and duration of all upsets, breakdowns and malfunctions which result in excessive emissions;
 - 7.d. Routine follow-up evaluation of upsets to identify the cause of the problem and changes needed to prevent a recurrence;
 - 7.e. Periodic source testing of pollution control units as required by the permit;
 - 7.f. Inspection of internal wear points of pollution control equipment during scheduled shutdowns; and
 - 7.g. Inventory of key spare parts.
 - 7.h. The O&M plan shall be reviewed at least annually and revised as work practices change. Upon request by the Department, the document shall be made available for inspection. Revision does not constitute a reopening of this permit
8. Monitoring and Recordkeeping Requirement: The permittee shall maintain records in an operating log book or equivalent of the results of all inspections and maintenance performed in accordance with the O&M plan required by Condition 7. [OAR 340-218-0050(3)(a)(C)]
9. Applicable Requirement: In the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Modford area by DEQ, the permittee shall take the actions listed in Boise Cascade's Source Emission Reduction Plan (SERP) on file with DEQ. The SERP shall be available at all times on the source premises for inspection by DEQ personnel. The SERP shall be reviewed at least annually and may be changed upon written approval by DEQ. Revision does not constitute a reopening of this permit. [OAR 340-206-0050]
10. Monitoring and Recordkeeping Requirement: The permittee shall maintain records in a log book or equivalent of air pollution episodes and emission reduction actions performed in accordance with condition 9. [OAR 340-218-0050(3)(a)(C)]

Nuisance Conditions

11. Applicable Requirement: The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by DEQ personnel. [OAR 340-208-0300] This condition is enforceable only by the State.
12. Applicable Requirement: The permittee must not cause or permit the deposition 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. [OAR 340-208-0450] This condition is enforceable only by the State.
13. Monitoring Requirement: The permittee must maintain a log of each nuisance 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

14. ~~Applicable Requirements: The permitted shall not cause or allow the combined emissions of particulate matter from emissions units EU3a and EU3b in excess of 120 lbs per hour. [OAR 340-234-0510(2)(a)] Particulate matter emissions shall be measured in accordance with Condition 0.~~
15. ~~Monitoring Requirement: The permittee shall monitor the emissions from EU3a and EU3b in accordance with Condition 71 by dividing the daily emissions by the hours of operation to arrive at the hourly emissions.~~

Accidental Release Prevention

16. ~~Applicable Requirement: Should this stationary source become subject to the accidental release prevention regulations in 40 CFR Part 68, then the permittee must submit a risk management plan (RMP) by the date specified in 40 CFR 68.10 and comply with the plan and all other applicable Part 68 requirements. [40 CFR Part 68]~~

National Emission Standards for Hazardous Air Pollutants (NESHAPs)

17. ~~The permittee must comply with the following NESHAPs:~~

Plywood and Composite Wood Products NESHAP

- 17.a. ~~The permittee must comply with all relevant provisions of the Plywood and Composite Wood Products NESHAP (40 CFR part 63 subpart DDDD), attached as Appendix A, by the applicable deadline. If a conflict exists between the language or conditions in Appendix A with 40 CFR Part 63, Subpart DDDD the language in 40 CFR Part 63, Subpart DDDD takes precedence. [40 CFR Part 63 Subpart DDDD]~~

Boiler and Process Heater NESHAP

- 17.b. ~~The permittee must comply with all relevant provisions of the Boiler and Process Heater NESHAP (40 CFR part 63 subpart DDDDD), attached as Appendix B, to this permit, by the applicable deadline. If a conflict exists between the language or conditions in Appendix B with 40 CFR Part 63, Subpart DDDDD the language in 40 CFR Part 63, Subpart DDDDD takes precedence. [40 CFR Part 63 Subpart DDDDD]~~

Boiler Requirements (EU1 Boilers 1, 2 & 3)

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Averaging Time	Testing Condition	Monitoring Condition
340-240-0110(1)(b)	18	Opacity	5% Opacity	6-minute block average	24	20
40 CFR 60.43b(f)	19	Opacity	20%, 6 min. avg. 27%, one 6 min. avg./hour	6 minute average; 6-minute period	24	20
OAR 340-240-0110(3)	21	PM	LAER = 0.015 gr/dscf @12% CO ₂ &	3 hr average	25	20

40 CFR Part 60.43b(c)(1)	22	PM	0.10 lb/MMBtu	Avg. of 3 test runs	25	20
OAR 340-240-0210(2)(a)	26	CO	CO/O ₂ monitoring	Continuous	NA	26

Visible Emissions Standard

18. Applicable Requirement: The permittee shall limit visible emissions from EUI such that opacity does not exceed 5% as a six-minute average, unless the permittee demonstrates by source test that emissions can be limited to LAER at higher visible emissions, but in no case may emissions equal or exceed 10% opacity as a six minute average, excluding uncombined water. [OAR 340-240-0110(1)(b) and 40 CFR Part 63 (c)(4)]

- 18.a.i. The visible emissions standards in this condition are based on the average of 24 consecutive observations recorded at 15-second intervals, or more frequently as allowed under Condition 42.b.ii, which comprise a six minute block. Six minute blocks need not be consecutive in time and in no case may two blocks overlap. For each set of 24 observations, the six minute block average is calculated by summing the opacity of the 24 observations and dividing the sum by 24. Six minute block averages are measured by: EPA Method 9; or
- 18.a.ii. A continuous opacity monitoring system (COMS) installed and operated in accordance with the DEQ Continuous Monitoring Manual or 40 CFR 60; or
- 18.a.iii. An alternative monitoring method approved by DEQ that is equivalent to EPA Method 9.

19. Applicable Requirement: The permittee shall not cause to be discharged into the atmosphere from EUI any gases that exhibit greater than 20% opacity (6 minute average), except for one 6 minute period per hour of not more than 27 percent opacity. [40 CFR 60.43e(d)] The opacity standard under this section applies at all times that hogged fuel is combusted, except during periods of startup, shutdown, or malfunction [40 CFR 60.43e(d)]

- 19.a. The visible emissions standards in this condition are based on the average of 24 consecutive observations recorded at 15-second intervals, or more frequently as allowed under Condition 42.b.ii, which comprise a six minute block. Six minute blocks need not be consecutive in time and in no case may two blocks overlap. For each set of 24 observations, the six minute block average is calculated by summing the opacity of the 24 observations and dividing the sum by 24. Six minute block averages are measured by:
- 19.a.i. EPA Method 9; or
- 19.a.ii. A continuous opacity monitoring system (COMS) installed and operated in accordance with the DEQ Continuous Monitoring Manual or 40 CFR 60; or
- 19.a.iii. An alternative monitoring method approved by DEQ that is equivalent to EPA Method 9.

Visible Emissions Monitoring

20. Monitoring Requirement: The permittee shall install, calibrate, maintain, and operate a continuous opacity monitoring system (COMS) in accordance with Performance Specifications as outlined in Appendix B to 40 CFR Part 60, and the DEQ Continuous Monitoring Manual (DEQ CMM). [OAR 340-240-0210(2)(e)]
- 20.a. The span value of the opacity COMS shall be between 60 and 80 percent [40 CFR 60.47e(b)]
- 20.b. The zero and span calibration drift shall be measured and recorded daily when the COMS is in operation. [40 CFR Part 60 Appendix B, Performance Specification 1)]
- 20.c. The owner or operator shall maintain records of all COMS data in a file and/or log book,

including each period during which the COMS was inoperative except for zero and span checks; and the records must be made available to DEQ personnel upon request. [DEQ CMM Appendix C.2]

- 20.d. All COMS shall complete a minimum of one cycle of sampling and analyzing for each successive 10-second period [DEQ CMM 6.0]
- 20.e. Monitored data shall be reduced and reported as 6-minute, 1-hour and daily averages. [DEQ CMM Appendix C.2].
- 20.f. For 6-minute and 1-hour reporting averages, a minimum of 75% data completeness must be present for average to be valid. [DEQ CMM Appendix C.2]
- 20.g. Prepare and maintain written Quality Assurance Plan (QAP) or standard operating procedures (SOPs) for each COMS. [DEQ CMM 3.0] Contents of the QAP or SOPs shall include,
 - 20.g.i. Operator name and address
 - 20.g.ii. Identification, description and location of monitor
 - 20.g.iii. Description and location of the sample interface
 - 20.g.iv. Manufacturer and model number of monitor
 - 20.g.v. Equipment involved
 - 20.g.vi. Procedures for routine operation checks, including daily zero and span checks
 - 20.g.vii. Spare parts inventory
 - 20.g.viii. Procedures for calculating and converting COMS data into units of the standard
 - 20.g.ix. Documentation

PM Emissions Standard

- 21. ~~Applicable Requirement:~~ The permittee shall not cause or allow the emission of particulate matter, for any three (3) hour average period, in excess of 0.015 grains per standard cubic foot from BU 1 corrected to 12% CO₂ or 50% excess air. [OAR 340-240-0110(1)(a) and ACDP Condition 4]
- 22. ~~Applicable Requirement:~~ The permittee shall not cause or allow the emission of particulate matter from BU 1 in excess of 0.10 pounds per million Btu heat input during any time period where wood is fired. [40 CFR 60.43c(b)(1)] The PM standard under this section applies at all time, except during periods of startup, shutdown, or malfunction. [40 CFR 60.43c(d)]
- 23. ~~The permittee is allowed to combust in BU1 the following materials identified in 40 CFR Part 241:~~ biomass or used oil identified as either clean cellulosic biomass, traditional fuel or other biomass non-secondary hazardous materials that are not solid waste when used as fuel, including but not limited to resinated wood. ~~The permittee will be allowed to burn other non-hazardous secondary materials that meet the legitimacy criteria in 40 CFR Part 241. The permittee is also allowed to combust clean fuels as identified in Table 3 of Part 63 Subpart DDDDD. The permittee shall not combust in BU1 other materials identified as solid waste in OAR 340 Division 93 or any other hazardous waste as defined in OAR 340-100 except those materials that are allowed by this condition. [40 CFR 63.7575] [40 CFR Part 63 Subpart DDDDD, Table 3]~~

Testing Requirements

- 24. ~~Oregon Method 5 and EPA Methods 1 through 4 must be used for measuring particulate matter emissions from BU1. Each test run must be a minimum of 60 minutes long with a minimum sample volume of 31.8 dsccf, unless otherwise approved by DEQ. Test results must be reported as pounds per hour, pounds per thousand pounds of steam produced, and grains per dry standard cubic foot corrected to 12% CO₂. Source tests must be conducted while firing the boiler(s) on biomass. [OAR 340-218-0050(3)(a)(C)]~~
 - 24.a. ~~BU1 must be tested once each calendar year with at least 8 months between source tests. If two consecutive annual tests, beginning in 2020, result in emissions less than 0.012 gr/dsccf @ 12% CO₂, then no additional testing is required during the term of this permit. [340-240-0220(1)(a) and 3]~~
 - 24.b. ~~Unless otherwise specified by permit condition or DEQ approved source test plan, biomass~~

boiler source tests must be performed as follows:

- 24.b.i. At least 90% of the design capacity for new or modified equipment; or
- 24.b.ii. At least 90% of the maximum production capacity for existing equipment; or
- 24.b.iii. At 90 to 110% of the normal maximum operating rate is defined as the 90th percentile of the average hourly 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.
- 24.b.iv. If the process rate during the test is determined by Condition 24.b.iii, the permittee must maintain production records on an hourly basis in addition to any other records that may be required by this permit or an applicable requirement.
- 24.c. During each test run, the permittee must record the following information:
 - 24.c.i. Boiler steaming rate individual and combined (lb/hour)
 - 24.c.ii. Boiler excess oxygen (%)
 - 24.c.iii. Visible emissions as measured by EPA Method 9 for a minimum of 6 minutes during or within 30 minutes before or after each Oregon Method 5 test run or as measured by a-COMS
 - 24.c.iv. Control device operating parameters e.g. ESP voltage
 - 24.c.v. Biomass usage rates.
- 24.d. The maximum steaming rate for the boiler may not exceed the average steam production rate measured during the most recent source test by more than ten percent (10%) [OAR 340-240-0220(4)]

Emission Factor Verification Testing

- 25. Once per permit term and during one of the tests required by Condition 24, but no later than 18 months prior to the expiration date of this permit, the permittee shall conduct emission factor verification tests on EU1 in accordance with the DEQ Source Sampling Manual for CO, NO_x, and VOC using EPA Methods 10, 7E, and 25A, respectively, or other methods approved by DEQ. [OAR340-218-0050(3)(a)(C)]

Carbon Monoxide and Oxygen Monitoring

- 26. ~~Monitoring Requirement:~~ The permittee shall continuously monitor steam production and carbon monoxide and oxygen concentrations for the Boiler during periods when EU1 is operating. [OAR 340-240-0210(2)(a)]
- 27. For a group of two or more existing units in the same subcategory, each of which vents through a common emissions control system to a common stack, that does not receive emissions from units in other subcategories or categories, you may treat such averaging group as a single existing unit for purposes of this subpart and comply with the requirements of this subpart as if the group were a single unit. 40 CFR Part 63.7522(i). ~~Monitoring Requirement:~~ The permittee shall monitor the type and amount of fuel burned in EU1 on a monthly basis. [40 CFR 60.48c(g)(2)]

Veneer Dryers (EU2 and dryer fugitives)

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Averaging Time	Testing Condition	Monitoring Condition
340-240-120(1)(a) and 340-234-0510(1)(b)	28	Visible Emissions	5% daily average; 10% maximum	Daily average; Maximum	32	29

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Averaging Time	Testing Condition	Monitoring Condition
340-240-0120(1)(e)	30	PM	0.30 lb/MSP (3/8" basis)	NA	32	31
OAR 340-240-0120(4) and 340-234-0510(1)(e)	34	Highest and Best	minimize emissions	NA	NA	35
OAR 340-240-0120(5) and 340-234-0510(1)(f)	36	Concealing Emissions	not allowed	NA	NA	NA

Visible Emissions

28. ~~Applicable Requirement: The permittee shall not cause or allow the operation of BU2 and dryer fugitives such that visible air contaminants emitted from the dryer stacks or other emission points exceed:~~

- 28.a. ~~A daily average operating opacity of 5% [OAR 340-240-120(1)(a)(A)]; or~~
28.b. ~~A maximum opacity of 10% [OAR 340-240-0120(1)(a)(B)].~~

~~"Daily average operating opacity means the opacity of emissions determined using EPA Method 9 on any two 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 two days is greater than the specified average operating opacity limitation. [OAR 340-240-0120(1)(a)(A)] "Maximum opacity" means the opacity as determined by EPA Method 9. The maximum opacity can be increased if the permittee demonstrates by source test that it can achieve the emission limit in OAR 340-240-0120(1)(e) at higher visible emissions [OAR 340-240-0120(1)(a)(B)] Visible emissions shall be measured in accordance with condition 29.~~

Visible Emissions Monitoring

29. ~~Monitoring Requirement: The permittee shall monitor visible emissions from the stacks or roof vents of fugitive emissions by conducting a EPA Method 9. Each Method 9 shall be a minimum of 6 minutes long unless any one reading is greater than 10% opacity, then the observation period shall be 60 minutes or until a violation of the applicable standard in Condition 28 is documented, whichever period is shorter.[OAR 340-218-0050(3)(a)(C)]~~

- 29.a. ~~The initial observation frequency for conducting the EPA Method 9 is monthly. A permit renewal does not require initial frequency.~~
29.b. ~~If 8 consecutive months of Method 9 test results are less than the standard in condition 28, the test frequency may be quarterly.~~
29.c. ~~If any test result exceeds the applicable standard in condition 28, the test frequency shall be daily for 5 consecutive days following the exceedance. If the results of the daily tests are all less than the applicable standard in conditions 28, the test frequency shall be the same as before the exceedance occurred.~~
29.d. ~~All EPA Method 9 shall be performed during periods that the emission devices are in operation.~~

PM Emissions Standard

30. ~~Applicable Requirement: The permittee shall not cause or allow the emissions of particulate matter from BU2 in excess of 0.30 pounds per thousand square feet of veneer dried (gross throughput) on a 3/8" basis. [OAR 340-240-0120(1)(e)] Particulate matter emissions shall be measured in accordance with Condition 32.~~

Continuous Monitoring

31. ~~Monitoring Requirement: The permittee shall install, calibrate, maintain, operate, and record the output of a continuous monitoring system for measuring combustion chamber temperatures of each RTO in accordance with the manufacturer's written instructions. [OAR 340-240-0210(f) and OAR 340-212-0200]~~
- 31.a. ~~Real time data shall be displayed at least once every minute that the veneer dryers are in operation. Hourly averages of the data shall be recorded once each clock hour that the veneer dryers are in operation.~~
- 31.b. ~~Minimum data availability shall be 90% for any day, month, and year of operation. Monitor availability shall be determined excluding periods of calibrations and routine maintenance.~~
- 31.c. ~~All excursions of the combustion chamber temperature action levels and the corrective action taken to return the RTO to highest and best practicable treatment and control shall documented combustion chamber temperature action levels are established by source testing.~~

PM Emissions Testing and Emission Factor Verification Testing

32. ~~Oregon Method 7 shall be used for measuring particulate matter emissions from the EU2 (RTOs). Each test run shall be a minimum of 60 minutes long with a minimum sample volume of 31.6 dscf, unless otherwise approved by the DEQ. Test results shall be reported as pounds per hour, gr/dscf and pounds per thousand square feet of veneer dried (gross throughput) on a 3/8" basis.~~
- 32.a. ~~The RTOs must each be tested once during calendar year 2020 and once every 3 years thereafter. [OAR 340-240-0220(1)(b)]~~
- 32.b. ~~During each test run, the permittee must record the following information:~~
- 32.b.i. ~~gross veneer dried as square feet per hour on a 3/8" basis for each dryer;~~
- 32.b.ii. ~~the species and type (sap or heart) of veneer dried in each dryer;~~
- 32.b.iii. ~~the drying temperature by zone, drying time, and percent redry material for each dryer;~~
- 32.b.iv. ~~visible emissions as measured by EPA Method 9 for a minimum of 6 minutes during or within 30 minutes before or after each Oregon Method 7 test run. Visible emissions test to be conducted on the RTO exhaust stack; and~~
- 32.b.v. ~~RTO combustion chamber temperature hourly average with at least one reading per minute.~~
- 32.c. ~~A test report prepared in accordance with the DEQ's Source Sampling Manual must be submitted within 60 days of completing the source test unless otherwise approved in the test plan.~~
33. ~~During the tests required by Condition 32, the permittee shall conduct emission factor verification tests in accordance with the DEQ's Source Sampling Manual for VOC, CO and NOx.~~

Highest and Best

34. ~~The veneer dryers must be maintained and operated at all times such that air contaminant generating processes and all air contaminant control equipment shall be at full efficiency and effectiveness so that the emission of air contaminants are kept at the lowest practicable levels. An excursion of the action levels for each RTO parameters shall not be considered a violation of the particulate matter concentration limit in this permit. [OAR 340-240-0120(4) and 340-234-0510(1)(e)]~~
35. ~~The permittee must prepare or review and revise an operation and maintenance plan in accordance with~~

Condition 7 within six (6) months of the issuance date of this permit that includes at a minimum the following: [OAR 340-240-0190]

- 35.a. An inspection and maintenance program for minimizing fugitive emissions.
- 35.b. The O&M plan must be maintained on site and be made available to the DEQ inspector upon request. In addition, the O&M plan must be reviewed by the permittee at least annually and revised if the work practices change. Revision does not constitute a reopening of this permit.

Concealing Emissions

- 36. 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 Conditions 28 or 30. [OAR 340-240-0120(5) and 340-234-0510(1)(f)]

Compliance Assurance Monitoring

- 37. RTO combustion chamber temperature monitoring as required and described in Appendix A of this permit for compliance with 40 CFR Part 63, Subpart DDDD is considered part of the CAM compliance monitoring for PM and opacity emission limits from the Dryers and RTO 1 and 2. [OAR 340-212-0200 through 0270]

Plywood Presses EU3a and EU3b

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Averaging Time	Testing Condition	Monitoring Condition
OAR 340-208-0110(3)(b) & (4)	38	Visible emissions	20% opacity	6-minute block average	41	6 and 39
340-226-0210(2)	40	PM	0.24gr/dscf/0.15 gr/dscf	avg. of 3 test runs	41	NA

Visible Emissions Standard

- 38. ~~Applicable Requirement: The permittee must comply with the following visible emission limits for plywood presses EU3a and EU3b: [OAR 340-208-0110]~~
- 38.a. For EU3a and EU3b: Any visible emissions may not equal or exceed an average of 20% [OAR 340-208-0110(3)(b) and (4)]; or
- 38.b. The visible emissions standards in this condition are based on the average of 24 consecutive observations recorded at 15-second intervals, or more frequently as allowed under Condition 38.b.ii, which comprise a six-minute block. Six minute blocks need not be consecutive in time and in no case may two blocks overlap. For each set of 24 observations, the six minute block average is calculated by summing the opacity of the 24 observations and dividing the sum by 24. Six minute block averages are measured by:
 - 38.b.i. EPA Method 9; or
 - 38.b.ii. A continuous opacity monitoring system (COMS) installed and operated in accordance with DEQ's Continuous Monitoring Manual or 40 CFR part 60; or

- 38.b.iii. ~~An alternative monitoring method approved by DEQ that is equivalent to EPA Method 9.~~

~~Visible Emissions Monitoring~~

39. ~~Monitoring Requirement: Visible emissions monitoring for Plywood Press EU3a and EU3b is included within the facility wide fugitive PM survey under condition 6.~~

~~PM Emission Standard~~

40. ~~Applicable Requirement: The permittee may not emit particulate matter emissions from EU3a and EU3b in excess of the following limits: [OAR 340-226-0210(2)]~~
- 40.a. ~~Plywood Presses 1, 5, 6 and 7: 0.14 grains per dry standard cubic foot. [OAR 340-226-0210(2)(b)]~~
- 40.b. ~~Plywood Presses 2, 3, and 4: [OAR 340-226-0210(2)(a)]~~
- 40.b.i. ~~0.24 grains per dry standard cubic foot until Dec. 31, 2019 and~~
- 40.b.ii. ~~0.15 grains per dry standard cubic foot on and after Jan 1, 2020.~~
- 40.b.iii. ~~For equipment or a mode of operation that is used less than 876 hours per calendar year, 0.24 grains per dry standard cubic foot from April 16, 2015 through December 31, 2019, and 0.20 grains per dry standard cubic foot on and after Jan. 1, 2020.~~
- 40.e. ~~Compliance with the emissions standards in this condition is determined using:~~
- 40.e.i. ~~Oregon Method 5;~~
- 40.e.ii. ~~DEQ Method 8, as approved by DEQ for sources with exhaust gases at or near ambient conditions;~~
- 40.e.iii. ~~DEQ Method 7 for direct heat transfer sources; or~~
- 40.e.iv. ~~An alternative method approved by DEQ.~~

~~Visible Emissions and PM Emissions Testing~~

41. ~~Source testing is not required by this permit to determine compliance with the visible emissions standard of Condition 38 or the particulate matter emissions standard of Condition 40. If source testing is conducted, the permittee shall use the test methods and averaging times to measure the pollutant emissions in Condition 74.~~

~~New Plywood Press (Plywood Press 8)~~

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Averaging Time	Testing Condition	Monitoring Condition
OAR 340-208-0110(4)	42	Visible emissions	20% opacity	6-minute block average	0	6 and 43
340-226-0210(2)(e)	44	PM	0.10 gr/dscf	avg. of 3 test runs	0	NA

~~Visible Emissions Standard~~

42. ~~The permittee must comply with the following visible emission limits for Press 8: [OAR 340-208-0110(4)]~~

- 42.a. ~~Any visible emissions may not equal or exceed an average of 20 percent opacity; and~~
- 42.b. ~~The visible emissions standards in this condition are based on the average of 24 consecutive observations recorded at 15-second intervals; or more frequently as allowed under Condition 42.b.ii, which comprise a six minute block. Six minute blocks need not be consecutive in time and in no case may two blocks overlap. For each set of 24 observations, the six minute block average is calculated by summing the opacity of the 24 observations and dividing the sum by 24. Six minute block averages are measured by:~~
- 42.b.i. ~~EPA Method 9; or~~
 - 42.b.ii. ~~A continuous opacity monitoring system (COMS) installed and operated in accordance with DEQ's Continuous Monitoring Manual or 40 CFR part 60; or~~
 - 42.b.iii. ~~An alternative monitoring method approved by DEQ that is equivalent to EPA Method 9;~~

Visible Emissions Monitoring

43. ~~Monitoring Requirement: Visible emissions monitoring for Plywood Press 8 is included within the facility wide fugitive PM survey under condition 6.~~

PM Emission Standard

44. ~~The permittee may not emit particulate matter emissions from Press 8, which will be installed after permit issuance, in excess of 0.10 grains per dry standard cubic foot. [OAR 340-226-0210(2)(c)]~~
- 44.a. ~~Compliance with the emissions standards in this condition is determined using:~~
- 44.a.i. ~~Oregon Method 5;~~
 - 44.a.ii. ~~DEQ Method 8, as approved by DEQ for sources with exhaust gases at or near ambient conditions;~~
 - 44.a.iii. ~~DEQ Method 7 for direct heat transfer sources; or~~
 - 44.a.iv. ~~An alternative method approved by DEQ.~~

Visible Emissions and PM Emissions Testing

45. ~~Source testing is not required by this permit to determine compliance with the visible emissions standard of Condition 42 or the particulate matter emissions standard of Condition 44. If source testing is conducted, the permittee shall use the test methods and averaging times to measure the pollutant emissions in Condition 74 (OAR 340-218-0050(3)(a)(C)).~~

Material Handling (Baghouses C, G, E and F- EU5a and EU5b)

Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard	Averaging Time	Testing Condition	Monitoring Condition
OAR 340-208-0110(4)	46	Visible emissions	20% opacity	6-minute average	49 and 74	6 and 47
OAR 340-226-0210(2)(b)	Error! Reference source not found. 48	PM	0.1/0.14 gr/dscf	avg. of 3 test runs	49 and 74	NA

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Averaging Time	Testing Condition	Monitoring Condition
OAR 340-240-0130	50	PM	98.5% control if emissions > 10 tons/yr	NA	NA	51

Visible Emissions Standard

46. ~~Applicable Requirement: The permittee must comply with the following visible emission limits for EU5a and EU5b: [OAR 340-208-0110(4)]~~

46.a. ~~Any visible emissions may not equal or exceed an average of 20 % opacity.~~

46.b. ~~The visible emissions standards in this condition are based on the average of 24 consecutive observations recorded at 15-second intervals, or more frequently as allowed under Condition 46.b.ii, which comprise a six-minute block. Six-minute blocks need not be consecutive in time and in no case may two blocks overlap. For each set of 24 observations, the six-minute block average is calculated by summing the opacity of the 24 observations and dividing the sum by 24. Six-minute block averages are measured by:~~

46.b.i. ~~EPA Method 9; or~~

46.b.ii. ~~A continuous opacity monitoring system (COMS) installed and operated in accordance with DEQ's Continuous Monitoring Manual or 40 CFR part 60; or~~

46.b.iii. ~~An alternative monitoring method approved by DEQ that is equivalent to EPA Method 9.~~

Visible Emissions Monitoring

47. ~~Monitoring Requirement: The permittee shall monitor visible emissions from the stacks or vents of EU5a and EU5b conducting an EPA Method 9. Each Method 9 test shall be a minimum of 6 minutes long unless any one reading is greater than 20% opacity, then the observation period shall be 60 minutes or until a violation of the applicable standard in Conditions 46 is documented, whichever period is shorter. [OAR 340-218-0050(3)(a)(C)]~~

47.a. ~~For EU5a and EU5b, the Method 9 testing may be waived provided the following conditions are met:~~

47.a.i. ~~a Method 22 visible emissions survey is performed for a minimum of 6 minutes; and~~

47.a.ii. ~~the visible emissions are less than 5% of the observation period (18 seconds for a 6 minute period);~~

47.b. ~~The initial schedule for conducting the Method 9 or Method 22 tests is as follows:~~

47.b.i. ~~EU5a and EU5b shall be tested monthly. A permit renewal does not require initial frequency.~~

47.b.ii.

47.c. ~~If 8 consecutive months of EPA Method 9 test results are less than the standard in Condition 46, or the Method 22 tests show visible emissions less than 5% of the observation period, the test frequency may be quarterly.~~

47.d. ~~If any test result exceeds the applicable standard in Condition 46, the test frequency shall be daily for 5 consecutive days following the exceedance. If the results of the daily tests are all less than the applicable standard in Condition 46, the test frequency shall be the same as before the~~

~~exceedance occurred.~~

- 47.e. All EPA Method 9 or Method 22 tests shall be performed during periods that the emission devices are in operation.

PM Emission Standard

48. ~~Applicable Requirement: The permittee may not emit particulate matter emissions BUsa and BUsb in excess of the following limits: [OAR 340-226-0210(2)(b)]~~
- 48.a. ~~0.10 grains per dry standard cubic foot provided that all representative compliance source test results collected prior to April 16, 2015 demonstrate emissions no greater than 0.080 grains per dry standard cubic foot;~~
- 48.b. ~~If any representative compliance source test results collected prior to April 16, 2015 demonstrate emissions greater than 0.080 grains per dry standard cubic foot, or if there are no representative compliance source test results, then 0.14 grains per dry standard cubic foot.~~
- 48.c. ~~Compliance with the emissions standards in this condition is determined using:~~
- ~~48.c.i. Oregon Method 5;~~
 - ~~48.c.ii. DEQ Method 8, as approved by DEQ for sources with exhaust gases at or near ambient conditions;~~
 - ~~48.c.iii. DEQ Method 7 for direct heat transfer sources; or~~
 - ~~48.c.iv. An alternative method approved by DEQ.~~
 - ~~48.c.v. For purposes of this condition, representative compliance source test results are data that was obtained:~~
 - ~~48.c.v.A. No more than ten years before April 16, 2015; and~~
 - ~~48.c.v.B. When a source is operating and maintaining air pollution control devices and emission reduction processes at the highest reasonable efficiency and effectiveness to minimize emissions based on the current configuration of the fuel burning equipment and pollution control equipment.~~

Visible Emissions and PM Emissions Testing

49. ~~Source testing is not required by this permit to determine compliance with the visible emissions standard of Condition 46~~~~Error! Reference source not found.~~ ~~or the particulate matter emissions standard of Condition 48 & 50. If source testing is conducted, the permittee shall use the test methods and averaging times to measure the pollutant emissions in Condition 74. [OAR 340-218-0050(3)(a)(C)]~~

Air Conveyance Standard and Monitoring

50. ~~Applicable Requirement: Any air conveying system within each that emits greater than 10 tons per year of particulate matter to the atmosphere shall, with the prior written approval of DEQ, be equipped with a control system with collection efficiency of at least 98.5 percent. [OAR 340-240-0130]~~
51. ~~Monitoring Requirement: The permittee shall monitor the emissions of all air conveying systems in accordance with the procedures contained in this permit and submit a plan for installing a control device with at least a 98.5% efficiency to DEQ immediately upon discovering that the emissions will exceed 10 tons per year. [OAR 340-218-0050(3)(a)(C)]~~

Roads (Unpaved Roads EU508)

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Averaging Time	Testing Condition	Monitoring Condition
340-208-0110(3)	52	Visible emissions	20% opacity	6-minute block average	None	6

Visible Emissions Standard

52. Applicable Requirement: The permittee must comply with the following visible emission limits for Roads: [OAR 340-208-0110(3)]
- 52.a. Any visible emissions may not equal or exceed an average of 20 % opacity.
- 52.b. The visible emissions standards in this condition are based on the average of 24 consecutive observations recorded at 15-second intervals, or more frequently as allowed under Condition 52.b.ii, which comprise a six-minute block. Six-minute blocks need not be consecutive in time and in no case may two blocks overlap. For each set of 24 observations, the six-minute block average is calculated by summing the opacity of the 24 observations and dividing the sum by 24. Six-minute block averages are measured by:
- 52.b.i. EPA Method 9; or
 - 52.b.ii. A continuous opacity monitoring system (COMS) installed and operated in accordance with DEQ's Continuous Monitoring Manual or 40 CFR part 60; or
 - 52.b.iii. An alternative monitoring method approved by DEQ that is equivalent to EPA Method 9.

Visible Emissions Monitoring

53. Monitoring Requirement: Visible emissions monitoring for unpaved roads EU508 is included within the facility wide fugitive PM survey under condition 6 [OAR 340-218-0050(3)(a)(C)]

Insignificant Activities Requirements

54. DEQ 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:
- 54.a. OAR 340-208-0110 (20% opacity)
 - 54.b. OAR 340-228-0210 (0.14 gr/dscf corrected to 12% CO₂ or 50% excess air for fuel burning equipment)
 - 54.c. OAR 340-226-0210 (0.14 gr/dscf for non-fugitive, non-fuel burning equipment)
 - 54.d. OAR 340-226-0310 (process weight limit for non-fugitive, non-fuel burning process equipment)
 - 54.e. The permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to the following: [40 CFR 63.11116(a), (b), (d) and OAR 340-244-0240, federally enforceable]
 - 54.e.i. Minimize gasoline spills;
 - 54.e.ii. Clean up spills as expeditiously as practicable;

- 54.e.iii. Cover all open gasoline containers and all gasoline storage tank fill pipes with a gasketed seal when not in use;
 - 54.e.iv. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators;
 - 54.e.v. The permittee is not required to submit the notifications or reports as specified in 40 CFR 63.11124 and 63.11126, or subpart A, but the permit must have records available within 24 hours of a request by DEQ to document gasoline throughput.
 - 54.e.vi. Portable gasoline containers that meet the requirements of 40 CFR Part 59, subpart F, is considered acceptable for compliance with Condition 54.e.iii.
- 54.f. In addition to the measures specified in Condition 54.e, the permittee must take the following measures to minimize vapor releases: [OAR 340-244-0240, state only enforceable]
- 54.f.i. Do not top off or overfill vehicle tanks. If a person can confirm that a vehicle tank is not full after the nozzle clicks off (such as by checking the vehicle's fuel tank gauge), the person may continue to dispense fuel using best judgment and caution to prevent a spill;
 - 54.f.ii. Post a sign at the gasoline dispensing facility (GDF) instructing a person filling up a motor vehicle to not top off the vehicle tank;
 - 54.f.iii. Ensure that cargo tanks unloading at the GDF comply with Conditions 54.e.i through 54.e.iii, 54.f.i, and 54.f.ii.
 - 54.f.iv. The permittee must only load gasoline into storage tanks at the facility by utilizing submerged filling, as defined in OAR 340-244-0030. The submerged fill pipe must be no more than 12 inches from the bottom of the storage tank.
- 54.g. Emergency stationary reciprocating internal combustion engines (RICE) are subject to the following requirements: [40 CFR 63.6640(f), subpart ZZZZ]
- 54.g.i. For each emergency stationary RICE, the permittee must:
 - 54.g.i.A. Change oil and filter every 500 hours of operation or annually, whichever comes first; [40 CFR 63.6603(a), table 2d(4)(a)]
 - 54.g.i.B. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; [40 CFR 63.6603(a), table 2d(4)(b)]
 - 54.g.i.C. inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; [40 CFR 63.6603(a), table 2d(4)(c)]
 - 54.g.i.D. During periods of startup, minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply; and [40 CFR 63.6603(a), table 2d]
 - 54.g.ii. The permittee must install a non-resettable hour meter on each emergency stationary RICE, if one is not already installed. [40 CFR 63.6625(f)]
 - 54.g.iii. The permittee must operate and maintain the stationary RICE according to the manufacturer's emission related operation and maintenance instructions [40 CFR 63.6640(a), Table 6(9)]
 - 54.g.iv. Operating conditions: [40 CFR 63.6640(f)(1-4)]
 - 54.g.iv.A. There is no time limit on the use of emergency stationary RICE in emergency situations.
 - 54.g.iv.B. Emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by the manufacturer, the vendor, or the insurance company associated with the engine. Required testing of such units should be minimized, but there is no time limit on the use of emergency stationary RICE in emergency situations and for routine testing and maintenance.

54.g.iv.C. Emergency stationary RICE may be operated for an additional 50 hours per year in non-emergency situations. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another utility.

54.g.v. The permittee must keep records of the hours of operation of each emergency stationary RICE that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the permittee must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)]

RICE NSPS Part 60 Subpart III

55. The permittee must comply with the emission standards listed below, for the Fire Pump Engine: [40 CFR 60.4205(e) & (f)]

Pollutant	Emission Limit (g/Hr-hr)
NMHC + NO _x	7.8
CO	2.6
PM	0.4

56. The permittee must use diesel fuel that meets the requirements of 40 CFR 80.510(b) in the Fire Pump Engine, as listed below: [40 CFR 60.4207(b)]

56.a. Sulfur content, 15 ppm maximum for non-road diesel;

56.b. Cetane index, 40 minimum or aromatic content, 35% by volume maximum.

57. The permittee must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)].

58. The permittee must do all of the following, except as permitted under Condition 64 [40 CFR 60.4211(a)]

58.a. Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

58.b. Change only those emission-related settings that are permitted by the manufacturer; and

58.c. Meet the requirements of 40 CFR 89, 94 and/or 1068, as they apply.

59. The permittee must demonstrate compliance with the emission standards in Condition 55 by one of the following methods: [40 CFR 60.4211(b)]

59.a. Purchase an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

59.b. Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.

59.c. Keeping records of engine manufacturer data indicating compliance with the standards.

59.d. Keeping records of control device vendor data indicating compliance with the standards.

59.e. Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR 60.4212, as applicable.

60. Because the Fire Pump Engine is reconstructed, the permittee must demonstrate compliance according to

one of the methods specified in Condition 60.a or 60.b.

- 60.a. Purchasing, or otherwise owning or operating, an engine certified to the emission standards in 40 CFR 60.4205(f).
 - 60.b. Conducting a performance test to demonstrate initial compliance with the emission standards according to the requirements specified in 40 CFR 60.4212. The test must be conducted within 60 days after the engine commences operation after the modification or reconstruction.
61. The permittee must operate the Fire Pump Engine according to the requirements in Condition 61.a–61.e. In order for the Fire Pump Engine to be considered an emergency stationary ICE under NSPS Part 60 Subpart IIII, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in conditions 61.a–61.e, is prohibited. If the permittee does not operate the Fire Pump Engine according to the requirements in Condition 61.a–61.e, the engine will not be considered an emergency engine under NSPS Subpart IIII, and must meet all requirements for non-emergency engines. [40 CFR 60.4211(f)]
- 61.a. There is no time limit on the use of emergency stationary ICE in emergency situations.
 - 61.b. The permittee may operate the emergency stationary ICE for any combination of the purposes specified in 40 CFR 60.4211(f)(2)(i) through (iii) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by Condition 61.e counts as part of the 100 hours per calendar year allowed by this condition.
 - 61.c. Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in Condition 61.b. Except as provided in 40 CFR 60.4211(f)(3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
62. If performance tests in use are conducted, the engine must meet the NTE standards in 40 CFR 60.4212. [40 CFR 60.4205(e)].
63. If the permittee does not install, configure, operate, and maintain the engine and control device according to the manufacturer's written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permit must demonstrate compliance as follows: [40 CFR 60.4211(g)(2)]
- a. The permittee must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee must conduct an initial performance test to demonstrating compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, reconfigured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the permittee changes emission-related setting in a way that is not permitted by the manufacturer.
64. The requirements for operators and prohibited acts specified in 40 CFR 1039.665 apply to permittees operating stationary CI ICE equipped with AECs for qualified emergency situations as allowed by 40 CFR 1039.665. [40 CFR 60.4211(h)]

65. The permittee is not required to submit an initial notification under 40 CFR Part 60 Subpart IIII for the emergency Fire Pump Engine. [40 CFR 60.4214(b)]
66. If the Fire Pump Engine is equipped with a diesel particulate filter, the permittee must keep records of any corrective action taken after the backpressure monitor has notified the permittee that the high backpressure limit of the engine is approached. [40 CFR 60.4214(e)]
67. The permittee is required to operate and maintain the Fire Pump Engine that achieves the emission standards as required in 40 CFR 60.4205 over the entire life of the engine. [40 CFR 60.4106]

PLANT SITE EMISSION LIMITS

68. The permittee must not cause or allow plant site emissions to exceed the following limits for any 12 consecutive calendar month period: [OAR 340-222-0035 through OAR 340-222-0041]
69. 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 Limit (tons/yr)	Unassigned Emissions (tons/yr)
PM	144	25
PM ₁₀	144	23
PM _{2.5}	131	10
CO	2521	100
NO _x	213	14
VOC	164	40
SO ₂	39	0
GHG*(CO ₂ e)(exclud ing biogenic)	74,000	
GHG (CO ₂ e) (including biogenic)	262,500	0

- GHG PSEL for state compliance with the PSEL excludes biogenic sources.

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.

70. The permittee must not cause or allow plant site emissions to exceed the following short term limits: [OAR 340-222-0042]

Emissions Unit(s)	Pollutant(s)	PSEL	Unassigned Emissions
Facility Wide	PM ₁₀	1175 lb/day	240 lbs/day

The unassigned daily PM₁₀ emissions are available for internal netting after source applies for and receives Department approval.

Plant Site Emission Limits Monitoring:

71. The permittee shall determine compliance with the plant site emissions limits using the following monitoring and calculation procedures: [OAR 340-218-0050(3)(a)(C)]

71.a. The permittee shall monitor and maintain records of the following process parameters:

Process parameter	Emissions unit(s)	Pollutant(s)	Measurement Technique	Measurement Frequency
Steam production: steam produced by boilers (1000 lb/day)	EU1	PM, PM ₁₀ , PM _{2.5} , CO, NO _x , SO ₂ , and VOC	Steam flow meter	daily
Actual veneer dried by species and/or type (e.g., Douglas Fir, Pine, White Fir)(MSF/day - 3/8" basis)	EU2	PM, PM ₁₀ , PM _{2.5} , VOC	Production records	daily
Actual plywood pressed (MSF/day - 3/8" basis)	EU3a and EU3b combined EU508	VOC PM/PM ₁₀ , PM _{2.5}	Production records	daily
Baghouse throughput (lb/BDT, gr/scf). Baghouse G hrs of operation	EU5a, EU5b	PM/PM ₁₀ , PM _{2.5}	Production records	daily
Spray or other marking paint: type, amount (gallons), VOC content (wt%), and density (lb/gal) of coatings	EU6	VOC	Recordkeeping & SDS	monthly

71.b. The permittee shall determine compliance with the PSELs by calculating daily, monthly, and annual emissions for each emissions unit using the following formula, process parameters measured in Condition 71.a, and the emission factors listed in Condition 71.e. Annual PSELs shall be calculated monthly, on a rolling 12 consecutive month basis [OAR 340-222-0080(3)(a)]:

$$E = P_{eu} \times EF_{eu} \times K$$

where;

E	=	pollutant emissions - lbs/day, lbs/month, or tons/yr
P _{eu}	=	process parameter identified in Condition 71.a.
EF _{eu}	=	emission factor identified for each emissions unit and pollutant in Condition 71.e.
K	=	conversion constant = 1 for daily emissions calculation and 1 ton/2000 lbs for annual emissions calculations.

71.c. The permittee must calculate VOC mass balance emissions for Emissions Unit Facility-Wide VOC as follows:

$$MB = [(C_x \cdot D_x \cdot K_x) - W] \cdot Z$$

Where
 MB = VOC emissions (lbs/month or tons/yr)
 C = Material usage for the period in gallons
 D = Material density in pounds per gallon
 K = VOC Concentration expressed as a decimal fraction
 X = subscript X represents a specific material

W = weight of VOC shipped offsite as hazardous or non-hazardous waste or in wastewater
Z = conversion constant (1 ton/2000 lbs.)

As an alternative to D and K above, the permittee may use the VOC concentration given in pounds per gallon in the calculation.

71.d. Instead of calculating the emissions each day of operation, the permittee may establish process limits, below which the emissions would be less than the PSEL, and monitor only the process rates identified in Condition 71.a. The permittee shall still maintain records to adequately demonstrate compliance with the daily and monthly rolling 12 month total calculated emissions in accordance with 71.b. to determine that the emissions are below the permitted limits.

71.e. Table of emission factors to be used for calculating short and long term emissions:

Emissions unit(s)	Pollutant	Conditions	Emission factor	Emission factor units	Emission factor verification testing	
						Test method
EU1	PM	Biomass	0.06	lb/Mlb of steam	yes	ODEQ Method 5
	PM ₁₀	Biomass	0.06	lb/Mlb of steam	no	NA
	PM _{2.5}	Biomass	0.055	lb/Mlb of steam	no	NA
	CO	Biomass	2.8	lb/Mlb of steam	yes	EPA Method 10
	NO _x	Biomass	0.25	lb/Mlb of steam	yes	EPA Method 7a
	SO ₂	Biomass	0.23	lb/Mlb of steam	no	NA
	VOC	Biomass	0.09	lb/Mlb of steam	yes	EPA Method 25a
	Pb	Biomass	6.58E ⁻⁷	lb/MMBTU fuel	no	NA
EU2	PM/PM ₁₀ /PM _{2.5}	Green veneer	0.16	lb/MSF(3/8" basis)	yes	ODEQ Method 7
	VOC as Propane	Green veneer	0.09	lb/MSF(3/8" basis)	no	EPA Method 25a
	Methanol	Green veneer	0.0023	lb/MSF(3/8" basis)	no	NA
	Formaldehyde	Green veneer	0.00225	lb/MSF(3/8" basis)	no	NA
EU3a and EU3b	VOC as Propane	Plywood	0.12	lb/MSF(3/8" basis)	no	NA
	Methanol	Plywood	0.043	lb/MSF(3/8" basis)	no	NA
	Formaldehyde	Plywood	0.0011	lb/MSF(3/8" basis)	no	NA
	PM/PM ₁₀ /PM _{2.5}	Plywood	0.07/0.07/0.04	lb/MSF(3/8" basis)	no	NA
EU5a, EU5b	PM/PM ₁₀ /PM _{2.5}	Baghouses G & C	0.001	gr/scf	no	NA
		Baghouses E & F	0.04	lb/BDT	no	NA
EU506	PM/PM ₁₀ /PM _{2.5}	Material Handling	0.019/0.019/0.0095	lb/BDT	no	NA

Emissions unit(s)	Pollutant	Conditions	Emission factor	Emission factor units	Emission factor verification testing	
						Test method
EU508	PM	all traffic	0.001	lb/MSF (3/8" basis plywood)	no	NA
	PM ₁₀	all traffic	0.0003	lb/MSF (3/8" basis plywood)	no	NA
	PM _{2.5}	All traffic	0.00003	lb/MSF (3/8" basis plywood)	no	NA

- 71.f. The emissions factors listed in Condition 71.e are not enforceable limits unless otherwise specified in this permit. Compliance with PSEs must only be determined by the calculations contained in this condition.
- 71.g. The permittee shall maintain daily records of hours of operation of RTO-1 and RTO-2 for monitoring and calculation of NO_x, CO, and SO₂ emissions.

Source Specific Recordkeeping Requirements

72. The permittee shall maintain the following specific records of required monitoring information: [OAR 340-218-0050(3)(a)(C)]
- 72.a. The permittee must maintain records of the fugitive emissions surveys, corrective actions (if necessary), and/or the results of any EPA Method 9 and/or Method 22 tests.
 - 72.b. daily and annual records of steam production by unit;
 - 72.c. monthly records of biomass burned in EU1 in accordance with Condition 23;
 - 72.d. records of the amounts of each fuel combusted in boiler 3 during each day and the annual capacity factor individually for each type of fuel for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [40 CFR 60.49b(d)] Since only one type of fuel (wood) is burned in the boiler, the annual capacity factor can be determined from actual steam production as compared to the maximum operating capacity. Therefore, it is not necessary that the actual amount of fuel be measured;
 - 72.e. records of the results of the Continuous Opacity Monitoring System and the boiler operating log as required by Condition 20;
 - 72.f. hourly results of continuous monitoring of emissions unit EU1, including, carbon monoxide, oxygen and steam as required by Condition 26;
 - 72.g. daily and annual EU2 throughput as volume of gross dry veneer, by type and species (MSF - 3/8" basis);
 - 72.h. veneer dryers (EU2) fugitive emissions inspection and corrective action log;
 - 72.i. daily and annual plywood press throughput (MSF - 3/8" basis);
 - 72.j. quarterly facility fugitive emissions inspection, maintenance and corrective action log;
 - 72.k. visible emissions tests and surveys;
 - 72.l. pollution control device(s) inspection, maintenance, and repair log;
 - 72.m. occurrence and length of downtime for all pollution control devices;
 - 72.n. monthly and annual spray or other marking paint usage (gallons), density (lb/gal), and VOC content (wt.%);
 - 72.o. daily process limits and process rates in accordance with Condition 71.a; and
 - 72.p. facility-wide long term pollutant emissions in accordance with Condition 71.
 - 72.q. hourly combustion chamber temperature for RTO-1 and RTO-2 control units on the veneer

- dryers.
- 72.r. daily and annual hours of operation for RTO-1 and RTO-2.
- 72.s. excess emissions.

~~EMISSION FEES~~

- ~~73. Emission fees will be based on the Plant Site Emissions Limits, unless permittee elects to report actual emissions for one or more permitted processes/pollutants. [OAR 340-220-0090]~~

GENERAL TESTING REQUIREMENTS

- 74. Unless otherwise specified in this permit, the permittee must conduct all testing in accordance with DEQ's Source Sampling Manual. [OAR 340-212-0120] [40 CFR 60.8]
 - 74.a. Unless otherwise specified by a state or federal regulation, the permittee must submit a source test plan to DEQ at least 60 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. Permittee should be aware, if significant variations are requested, it may require more than 30 days for DEQ to grant approval and may require EPA approval in addition to approval by DEQ.
 - 74.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.
 - 74.c. Unless otherwise specified by permit condition or DEQ approved source test plan, all compliance source tests must be performed as follows:
 - 74.c.i. At least 90% of the design capacity for new or modified equipment;
 - 74.c.ii. At least 90% of the maximum operating rate for existing equipment; or
 - 74.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.
 - 74.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, DEQ may accept two (2) test runs for demonstrating compliance with the emission limit or standard.
 - 74.e. Source test reports prepared in accordance with DEQ's Source Sampling Manual must be submitted to DEQ 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.

GENERAL MONITORING AND RECORDKEEPING REQUIREMENTS

General Monitoring Requirements:

- 75. The permittee must not knowingly render inaccurate any required monitoring device or method. [OAR 340-218-0050(3)(a)(E)]
- 76. The permittee must use the same methods to determine compliance as those used to determine actual emissions for fee purposes and can be no less rigorous than the requirements of OAR 340-218-0080. [OAR 340-218-0050(3)(a)(F)]
- 77. The permittee must comply with the monitoring requirements on the date of permit issuance unless

otherwise specified in the permit or an applicable requirement. [OAR 340-218-0050(3)(a)(G)]

General Recordkeeping Requirements

78. The permittee must maintain the following general records of testing and monitoring required by this permit: [OAR 340-218-0050(3)(b)(A)]
- 78.a. The date, place as defined in the permit, and time of sampling or measurements;
 - 78.b. The date(s) analyses were performed;
 - 78.c. The company or entity that performed the analyses;
 - 78.d. The analytical techniques or methods used;
 - 78.e. The results of such analyses;
 - 78.f. The operating conditions as existing at the time of sampling or measurement; and
 - 78.g. The records of quality assurance for continuous monitoring systems (including but not limited to quality control activities, audits, calibration drift checks).
79. 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 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, 340-214-0114, and 340-218-0050(3)(b)]
80. The permittee must comply with the recordkeeping requirements on the date of permit issuance unless otherwise specified in the permit or an applicable requirement. [OAR 340-218-0050(3)(b)(C)]
81. 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 (or other original data) for continuous monitoring instrumentation, and copies of all reports required by the permit. All existing records required by the previous Air Contaminant Discharge Permit or Oregon Title V Operating Permit must also be retained for five (5) years from the date of the monitoring sample, measurement, report, or application. [OAR 340-218-0050(3)(b)(B)]

REPORTING REQUIREMENTS

General Reporting Requirements

82. Excess Emissions Reporting: The permittee must report all excess emissions as follows: [OAR 340-214-0300 through 340-214-0360]
- 82.a. Immediately (within 1 hour of the event) notify DEQ of an excess emission event by phone, email, or facsimile; and
 - 82.b. Within 15 days of the excess emissions event, submit a written report that contains the following information: [OAR 340-214-0340(1)]
 - 82.b.i. The date and time of the beginning of the excess emissions event and the duration or best estimate of the time until return to normal operation;
 - 82.b.ii. The date and time the permittee notified DEQ of the event;
 - 82.b.iii. The equipment involved;
 - 82.b.iv. Whether the event occurred during planned startup, planned shutdown, scheduled maintenance, or as a result of a breakdown, malfunction, or emergency;

- 82.b.v. Steps taken to mitigate emissions and corrective action taken, including whether the approved procedures for a planned startup, shutdown, or maintenance activity were followed;
 - 82.b.vi. The magnitude and duration of each occurrence of excess emissions during the course of an event and the increase over normal rates or concentrations as determined by continuous monitoring or best estimate (supported by operating data and calculations);
 - 82.b.vii. The final resolution of the cause of the excess emissions; and
 - 82.b.viii. Where applicable, evidence supporting any claim that emissions in excess of technology-based limits were due to any emergency pursuant to OAR 340-214-0360.
- 82.c. 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 DEQ by calling the Oregon Accident Response System (OARs). The current number is 1-800-452-0311.
- 82.d. 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 DEQ for prior authorization, as required in OAR 340-214-0310 and 340-214-0320. New or modified procedures must be received by DEQ 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.
- 82.e. The permittee must continue to maintain a log of all excess emissions in accordance with OAR 340-214-0340(3). However, the permittee is not required to submit the detailed log with the semi-annual and annual monitoring reports. The permittee is only required to submit a brief summary listing the date, time, and the affected emissions units for each excess emission that occurred during the reporting period. [OAR 340-218-0050(3)(c)]
83. Permit Deviations 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 15 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 Condition 82.
84. Continuous monitoring report EU1 and EU2 for Conditions 20, 26 and 37 shall be submitted to DEQ's Western Region Medford office of the 30th of each month for the previous month. Reporting shall be in a format approved in a format approved by the Medford office (the report shall include the information required in Appendix C of DEQ's Continuous Monitoring Manual).
85. All required reports must be certified by a responsible official consistent with OAR 340-218-0040(5); [OAR 340-218-0050(3)(c)(D)]
86. Reporting requirements must commence on the date of permit issuance unless otherwise specified in the permit. [OAR 340-218-0050(3)(c)(E)]
- 86.a. For emissions unit EU1, the permittee shall submit a visible emissions (opacity) excess emissions report to the Department and EPA Region X for any calendar quarter during which there are excess emissions in accordance with 40 CFR 60.49b(h). If there are no excess emissions during the calendar quarter, the permittee shall submit a report semiannually stating that no excess emissions occurred during the semiannual reporting period. For the purpose of 40 CFR 60.43b, excess emissions are defined as all 6-minute periods during which the average opacity exceeds the opacity standards under 40 CFR 60.43b(f) (permit Condition **Error! Reference source not found.**). The excess emission report shall include the following minimum information as required by 40 CFR 60.7(c):
- 86.a.i. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h),

any conversion factor used, and the date and time of commencement and completion of each time period of excess emissions, and the process operating time during the reporting period.

- 86.a.ii. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of emissions unit EU1 and associated control devices. The nature and cause of any malfunction (if known), the corrective actions taken or preventative measures adopted.
- 86.a.iii. The date and time identified for each period during which the continuous monitoring system is inoperative except for zero, span checks, cylinder gas audits, maintenance periods, and the nature of any system repairs or adjustments.
- 86.a.iv. When no excess emissions have occurred, or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report.

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

Submit all Notices and applications that do not include payment to the Western Region's Permit Coordinator.

Western Region
4026 Fairview Industrial Drive
SE
Salem, OR 97302
503-378-8240

Submit payments for invoices, applications to modify the permit, and any other payments to DEQ's Business Office:

DEQ – Air Quality Division
700 NE Multnomah St., Suite
600
Portland, OR 97232
503-229-5359

Submit all reports for EPA requirements to:

Air Operating Permits
US Environmental Protection
Agency
Mail Stop OAQ-108
1200 Sixth Avenue
Seattle, WA 98101

Submit all annual and semi-annual reports) DEQ's Western Region. If you know the name of the Air Quality permit writer responsible for your permit, please include it.

Western Region -Medford office
221 Stewart Avenue, Suite 201
Medford, OR 97501
541-776-6010

Semi-annual and Annual Reports

- 87. The permittee must submit three (3) copies of reports of any required monitoring at least every 6 months, completed on forms approved by DEQ. 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 EPA and two copies to the DEQ regional office. 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)]

- 87.a. The first semi-annual report is be due on July 30 and must include the semi-annual compliance certification, OAR 340-218-0080.

- 87.b. The annual report is due on March 15 and must consist of the following:
- 87.b.i. The emission fee report; [OAR 340-220-0100]
 - 87.b.ii. A summary of the excess emissions upset log; [OAR 340-214-0340]
 - 87.b.iii. The second semi-annual compliance certification; and [OAR 340-218-0080]
 - 87.b.iv. Annual emission inventory report for the prior calendar year (R1001)
 - 87.b.v. Other annual reporting requirements:
 - 87.b.v.A. Annual records of total steam produced in EU1
 - 87.b.v.B. Annual records of total gross veneer dried (3/8" basis);
 - 87.b.v.C. Annual records of total finished plywood produced (3/8" basis);
 - 87.b.v.D. Annual records of total amount of VOC containing materials used along with the VOC percent.
88. 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)]
- 88.a. The identification of each term or condition of the permit that is the basis of the certification;
 - 88.b. The identification of the method(s) or other means used by the permittee 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 requirements that are incorporated by reference into the permit. When certifying compliance with new applicable requirements that are not yet in the permit, the permittee must provide the information required by this condition. If necessary, the permittee 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;
 - 88.c. The status of compliance with terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification must be based on the method or means designated in 340-218-0080(6)(c)(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
 - 88.d. Such other facts as DEQ may require to determine the compliance status of the source.
89. ~~Greenhouse Gas Registration and Reporting: If the calendar year emission rate of greenhouse gases (CO₂e) is greater than or equal to 2,756 tons (2,500 metric tons), the permittee must register and report its greenhouse gas emissions with DEQ in accordance with OAR 340-215. The greenhouse gas report must be certified by the responsible official consistent with OAR 340-218-0040(5).~~
90. ~~Notwithstanding any other provision contained in any applicable requirement, the permittee 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)]~~

Non-Applicable Requirements

91. The following State and Federal air quality requirements are not applicable to this facility for the reasons stated. [OAR 340-218-0110]

Applicable Requirement	Reason Code	Applicable Requirement	Reason Code	Applicable Requirement	Reason Code	Applicable Requirement	Reason Code
OAR Chapter 340:						40 CFR	
Division 202		Division 230:		Division 240:		Part 55	b
0050 through 0220	g	0100 through 0150	e	0110	e	Part 57	b
Division 208		0200 through 0230	e	0150	e	Part 60, except subparts A, D, and appendices	b
0510 through 0610	d	0310 through 0500	e	0160	e	Part 61, except subpart A, M, and appendices	b
Division 214		Division 232:		0320 through 0610	e	Part 63, except subpart A, DDDD, DDDDD, and appendices	b
0210 through 0220	c	0050 through 0230	e	Division 242:		Part 72 through 76	b
Division 222		Division 234:		0070 through 0630	d	Part 77	b
0040	h	0110 through 0140	e	Division 256:		Part 78	b
0090	h	0210 through 0270	b	0210 through 0470	b	Part 82, except subpart F	b
Division 226:		0530	b	Division 258:		Part 85 through 89	b
0310 through 0320	e	Division 236:		0010 through 0400	b		
Division 228:		0310 through 0330	b	Division 260:			
0100 through 0130	f	0410 through 0440	b	0030	b		
0200	e	0500	b	0040	b		
0300	f	Division 238:		Division 264:			
		0100	b	0100 through 0160	d		
				0175 through 0180	d		

Reason code definitions:

- a this pollutant is not emitted by the facility
- b the facility is not in this source category
- e 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~~

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; April 16, 2015—State Implementation Plan Volume 3, Appendix A4;~~
- b. ~~Continuous Monitoring Manual; April 16, 2015—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. Applicable Requirements [OAR 340-218-0010(3)(b)]

~~Oregon Title V Operating Permits do not replace requirements in Air Contaminant Discharge Permits (ACDP) issued to the source even if the ACDP(s) have expired. For a source operating under a Title V permit, requirements established in an earlier ACDP remain in effect notwithstanding expiration of the ACDP or Title V permit, unless a provision expires by its terms or unless a provision is modified or terminated following the procedures used to establish the requirement initially. Source specific requirements, including, but not limited to TACT, RACT, BACT, and LAER requirements, established in an ACDP must be incorporated into the Oregon Title V Operating Permit and any revisions to those requirements must follow the procedures used to establish the requirement initially.~~

G4. 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.~~

G5. 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 enforceable only by the State.~~

G6. 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]~~

G7. Certification [OAR 340-214-0110, 340-218-0040(5), 340-218-0050(3)(c)(D), and 340-218-0080(2)]

~~Any document submitted to DEQ 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 DEQ a material error or omission in these records, reports, plans, or other documents.~~

G8. 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.~~

G9. 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.~~

G10. 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.~~

G11. 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. ~~DEQ, 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 DEQ to obtain information from a source pursuant to ORS 468.095 (investigatory authority, entry on premises, status of records).
- e. 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)(b), significant permit modification, or reopening for cause by DEQ.

G12. 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 DEQ, 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.

G13. 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 particulates, sulfur dioxide, nitrogen oxides, and volatile organic compounds. The permittee must submit payment to the DEQ of Environmental Quality, Financial Services, 811 SW 6th Ave., Portland, OR 97204, within 30 days of date DEQ 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 DEQ. 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.

G14. 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 DEQ 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 G11 does not extend to off-permit changes.

~~G15. 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 DEQ and the EPA in accordance with OAR 340-218-0140(3)(b).~~
- ~~c. The permit shield of Condition G11 does not extend to section 502(b)(10) changes.~~

~~G16. 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.~~

~~G17. 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.~~

~~G18. 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.~~

~~G19. Staying Permit Conditions [OAR 340-218-0050(6)(e)]~~

~~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.~~

~~G20. Construction/Operation Modification [OAR 340-218-0190]~~

~~The permittee must obtain approval from DEQ 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.~~

~~G21. 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 DEQ and having satisfied the requirements of OAR 340, Division 224.~~

~~G22. 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.~~

G23. Duty to Provide Information [OAR 340-218-0050(6)(e) and OAR 340-214-0110]

~~The permittee must furnish to DEQ, within a reasonable time, any information that DEQ 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 DEQ copies of records required to be retained by the permit or, for information claimed to be confidential, the permittee may furnish such records to DEQ along with a claim of confidentiality.~~

G24. Reopening for Cause [OAR 340-218-0050(6)(e) and 340-218-0200]

- a. ~~The permit may be modified, revoked, reopened and reissued, or terminated for cause as determined by DEQ.~~
- 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.~~

G25. 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.~~

G26. 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 DEQ requests an earlier submittal. If more than 12 months is required to process a permit renewal application, DEQ 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.~~

G27. 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).~~

G28. 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.~~

G29. Permit Availability [OAR 340-200-0020 and 340-218-0120(2)]

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



State of Oregon
Department of
Environmental
Quality

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~~ALL INQUIRIES SHOULD BE DIRECTED TO:~~
~~Western Region~~
~~4026 Fairview Industrial Drive SE~~
~~Salem, OR 97302~~
~~503-378-8240~~