OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
OREGON TITLE V OPERATING PERMIT

Eastern Region
475 NE Bellevue Dr., Suite 110
Bend, OR 97701
Telephone (541) 388-6146

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

ISSUED TO:

JELD-WEN, Inc.
dba JELD-WEN
3250 Lakeport Blvd.
Klamath Falls, OR 97601

INFORMATION RELIED UPON:

Application Number: 28926
Received 1/31/2017

PLANT SITE LOCATION:

3303 Lakeport Blvd.
Klamath Falls, OR 97601

LAND USE COMPATIBILITY STATEMENT:

Issued by: Klamath County Planning Dept.
Dated: 7/12/1995

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Mark W. Bailey, Eastern Region Air Quality Manager

DEC - 1 2021
Date

Nature of Business

Sawmills, planing mills, reconstituted wood products. Supporting activities, including metal working (such as welding, milling and forming), and fuel burning equipment greater than 30 million Btu per hour heat input located inside an AQMA

SIC	NAICS
2421	431113
2431	321911
2493	321219
3444	332321
4961	221330

RESPONSIBLE OFFICIAL

Title: The Plant Managers for the following facilities: Millwork Manufacturing-Thomas and/or Wood Fiber Division-Oregon and/or Millwork Manufacturing-Klamath Falls and/or JELD-WEN Engineering

FACILITY CONTACT PERSON

Name: William Morgan
Title: Regional Environmental Manager
Phone: (541) 883-3373 x2595

Pages 2 - 26 redacted -- outside the scope of the SIP

TESTING REQUIREMENTS

55. Unless otherwise specified in this permit, the permittee must conduct all testing in accordance with DEQ's Source Sampling Manual. [OAR 340-212-0120]

55.a. 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.

55.b. Unless otherwise specified by permit condition or DEQ approved source test plan, all compliance source tests must be performed at maximum operating rates (90 to 110% of device design capacity).

55.c. 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.

55.d. Source test reports prepared in accordance with DEQ's Source Sampling Manual must be submitted to DEQ within 45 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.

56. Oregon Method 5 must be used for measuring particulate matter emissions from Boiler G (BLRG). Each test run must be a minimum of 60 minutes long with a minimum sample volume of 31.8 dscf. Test results must be reported as grains per dry standard cubic feet (gr/dscf), gr/dscf corrected to 12% CO_2, lbs/hr, and lbs/thousand lbs of steam produced.

56.a. Boiler G must be tested no later than March 1, 2021.

56.b. During each test run, the permittee must record the following information:

56.b.i. As fired fuel characteristics including moisture content, approximate percentage of bark, species, percent by weight less than 1/8 inch, and approximate amount of recycled hardboard (percent by weight);

56.b.ii. Visible emissions as measured by the COMS;

56.b.iii. NO_x emissions, as measured by EPA Method 7e;

56.b.iv. CO emissions, as measured by EPA Method 10;

56.b.v. Boiler steaming rate (lbs/hr);

56.b.vi. Boiler residual oxygen (%); and

56.b.vii. Control device operating parameters including the pressure drop across the multiclone and ESP voltage/current.

56.c. Three additional test runs must be conducted for measuring NO_x and CO emissions while burning resinated fuels if resinated fuel was burned for more than 720 total elapsed hours during the period between the date this permit is issued and the date of the test conducted to satisfy the requirement of Condition 56.a. The fuel characteristics, steam rate, and residual oxygen must be recorded during each test run.

57. Unless otherwise specified in this permit or an applicable requirement, DEQ is not requiring any testing, monitoring, recordkeeping or reporting for the applicable emissions limits and standards that apply to IEUs. However, if testing were performed for compliance purposes, the permittee would be required to use the test methods identified in the definitions of "opacity" and "particulate matter" in OAR 340-208-0010 and perform the testing in accordance with DEQ's Source Sampling Manual. This condition also applies to any other emissions unit for which testing is not specifically required by the permit.

MONITORING REQUIREMENTS

The monitoring conditions in this section are based on OAR 340-218-0050(3)(a); unless otherwise specified.

General Monitoring Requirements

58. The permittee must not knowingly render inaccurate any required monitoring device or method. [OAR 340-218-0050(3)(a)(E)]

59. 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)]

60. 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)]

Facility-Wide Monitoring

61. 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)]

62. Monitoring Requirement: The permittee must perform the monitoring identified in the fugitive emission control plan including the following minimum inspection and maintenance activities: [OAR 340-208-0210(1)]

62.a. At least once each day, the permittee must inspect areas of potential fugitive particulate emissions and clean up any accumulation of particulate matter; and,

62.b. At least once each week for a minimum period of 30 minutes, the permittee must visually survey the plant for any sources of excess fugitive emissions. For the purpose of this survey, excess fugitive emissions are considered visible emissions observed leaving the plant site boundaries. The person conducting the observation must follow the procedures of EPA Method 22.

62.c. The permittee must maintain a logbook that includes the date and time of the surveys, the results of the surveys, and any corrective action (when required) required.

63. If sources of visible fugitive emissions are identified, the permittee must:

63.a Immediately take corrective action to minimize the fugitive emissions, including but not limited to those actions identified in Condition 4; and

63.b Record in a logbook the date and time of the surveys, the results of the surveys, and the corrective action (when required), in accordance with Conditions 62.c.

64. The permittee must maintain records of air pollution episodes and emission reduction actions taken required by Condition 10.

Emissions Unit Specific Monitoring

65. The permittee must monitor visible emissions from the stacks of the cyclones (CF, CT1, CT2), veneer dryer (V), paint drying ovens (O), fiber dryers (FD)/press vents (PV)/biofilter, and kilns (K) by conducting an EPA Method 9 test. Each EPA Method 9 test must be a minimum of 6 minutes long unless any one reading is greater than 20% opacity, then the observation period must be 60 minutes or until a violation of the applicable standard in Conditions 37 and 47 is documented, whichever period is shorter.

65.a. EPA Method 9 tests must be conducted at least once each quarter with consecutive tests conducted at least 30 days apart.

65.a.i. The EPA Method 9 tests may be waived provided the permittee conducts a six minute visible emissions survey using EPA Method 22 and visible emissions, excluding water vapor, are not detected for more than 5% (18 seconds) of the survey time.

65.a.ii. If the observer is unable to conduct the tests and/or survey due to visual interferences caused by other visible emissions sources or due to weather conditions such as fog, heavy rain or snow, the observer must note such conditions on the data observation sheet and make at least three attempts to conduct the tests and/or surveys at approximately 2-hour intervals throughout the day. The permittee must attempt to make the observations each production day until a valid observation period is completed.

65.b. Should a test result exceed the applicable standard, the applicable monitoring frequency must be once weekly for a minimum of four weeks. If the results of the weekly tests are all less than the applicable standard, the test frequency may return to quarterly.

65.c. All EPA Method 9 or Method 22 tests must be performed during periods that the emission devices are in operation.

66. The permittee must perform compliance assurance monitoring (CAM) for emissions unit BH1 as follows: [40 CFR, Part 64 and OAR 340-212-0200 through 340-212-0280 and 340-226-0120]

66.a. The Permittee must make visible emissions observations of the Shaker baghouse, Fiber main baghouse, Fiber south baghouse, Line 1 former baghouse, and Line 2 former baghouse at least once during each day of operation and take corrective action if there are any visible emissions, other than water vapor, observed.

66.b. Visible emissions observations must be performed in accordance with EPA Method 22 for a minimum period of 6 minutes per baghouse.

66.c. If the observer is unable to conduct the visible emissions observations due to visual interferences caused by other visible emission sources or due to weather conditions such as fog, heavy rain or snow, the observer must note such conditions on the data observation sheet and make at least three attempts to conduct the observations at approximately 2-hour intervals throughout the day.

66.d. All excursions of the visible emissions action level and the corrective action taken to return the process/baghouses to highest and best practicable treatment and control must be recorded in a log.

66.e. In the semi-annual monitoring report required by Condition 85, the permittee must provide a summary of the number and duration of action level excursions and corrective action, if necessary, that occurred during the reporting period.

66.f. An excursion of the visible emissions action level is not necessarily a violation of the particulate matter emission standard.

67. The permittee must inspect each baghouse at least quarterly and replace the bags, if necessary. Records of the inspections and any corrective action must be maintained in an inspection logbook.

68. The permittee must install, calibrate, maintain, operate, and record the output of a continuous opacity monitoring system (COMS) on the exhaust stack of the ESP on Boiler G (BLRG) in accordance with DEQ's Continuous Monitoring Manual.

69. The permittee must install, calibrate, maintain, operate, and record the output of a continuous monitoring system in accordance with the manufacturers written instructions for measuring the steam production and residual oxygen of Boiler G (BLRG):

69.a. Real time data must be displayed at least once every minute that the boiler is in operation. Hourly averages of the data or integrated values must be recorded at the end of each clock hour that the boiler is in operation.

69.b. Minimum data availability must be 90% for any day, month and year of operation. Monitor availability must be determined excluding periods of calibrations and routine maintenance.

70. The permittee must perform compliance assurance monitoring (CAM) for Boiler G as follows: [40 CFR, Part 64 and OAR 340-212-0200 through 340-212-0280 and 340-226-0120]

70.a. Using the COMS required by Condition 68, the permittee must take corrective action any time that the one-hour average opacity exceeds 10%.

70.b. If corrective action cannot be performed within 3 hours of an excursion or the corrective action is ineffective, the permittee must notify DEQ.

70.c. All excursions of the opacity action level and the corrective action must be recorded in a boiler operating log.

70.d. In the semi-annual monitoring report required by Condition 85, the permittee must provide a summary of the number and duration of action level excursions and corrective action, if necessary, that occurred during the reporting period.

70.e. An excursion of the opacity action level is not necessarily a violation of the particulate matter emission standard.

71. The permittee must monitor the type of fuel used in each combustion device.

71.a. As long as Natural Gas Combustion Devices (NGCD) operate on natural gas, monitoring pertaining to Conditions 37 and 39 (opacity and grain loading requirements) consists of maintaining records of monthly and annual natural gas usage.

71.b. The permittee must install a natural gas meter for NGCD for measuring the amount of natural gas burned at the facility each calendar month.

71.c. For Boiler G, the permittee must develop and implement a routine fuel inspection program for monitoring the amount of resinated fuel burned in the boiler on a monthly basis. These procedures must be included in the operation and maintenance plan for the boiler.

Plant Site Emissions Monitoring: [OAR 340-222-0080]

72. The permittee must determine compliance with the Plant Site Emission Limits established in Condition 53 of this permit by conducting monitoring and calculations for each 12-month period in accordance with the following procedures, test methods and frequencies:

72.a. Except for GHG, the permittee must calculate pollutant emissions using the following formula, process parameters, and emission factors:

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

Where:

E = Pollutant emissions in lbs/month and tons/yr.
P_{eu} = Process parameter identified in the table below;
EF_{eu} = Emission factor identified for each emissions unit and pollutant in the table below;
K = Conversion constant: 1 lb/lb for daily and monthly emissions calculations; 1 ton/2,000 lbs for annual emissions calculations.

Table 11. Emission Factors:

Emission Source Description	Throughput Type [Units]	Emission Factors (lb/throughput unit)						
		PM	PM_{10}	$PM_{2.5}$	SO_2	NO_X	CO	VOC
MM-T Boiler G – Non-Resinated Fuel	Steam [1000 POUNDS]	0.019	0.019	0.017	0.014	0.25	0.402	0.13
MM-T Boiler G – Resinated Fuel	Steam [1000 POUNDS]	0.019	0.019	0.017	0.014	0.79	0.402	0.13
MM-T Supporting Activities	Lumber [1000 BOARD FEET]	1.15	0.45	0.20	NA	NA	NA	1.965
MM-T Fugitives	Lumber [1000 BOARD FEET]	0.79	0.35	0.09	NA	NA	NA	2.20E-4
WFD-O Supporting Activities	1/8-inch Hardboard [1000 SQUARE FEET]	0.010	0.010	0.007	NA	NA	NA	0.44
WFD-O Fugitives	1/8-inch Hardboard [1000 SQUARE FEET]	0.006	0.006	0.003	NA	NA	NA	NA
MM-KF Veneer Dryers	3/8-inch [1000 SQUARE FEET]	NA	NA	NA	NA	NA	NA	0.28
MM-KF Dehumidification Kilns	Lumber [1000 BOARD FEET]	NA	NA	NA	NA	NA	NA	1.965
MM-KF Fugitives	Lumber [1000 BOARD FEET]	0.162	0.160	0.160	NA	NA	NA	NA
Natural Gas Combustion Devices	Natural Gas [MILLION CUBIC FEET]	2.5	2.5	2.5	2.6	50	84	5.5
Facility Wide VOC	Material usage (gallons or pounds)	NA	NA	NA	NA	NA	NA	Conditions 72.b & 72.e

72.b. The permittee must maintain usage records of all materials that contain PM/PM10/PM2.5 and calculate the monthly and annual emissions separately for the Fiber-Oregon Paint Booth and engineering fabrications using the following equations: [OAR 340-222-0080]

Fiber - Oregon Paint Booth Particulate Emissions:

$$E = \sum (RM_i \times D_i \times (\text{wt }[\%])/100 \text{ x } (\text{Transfer}_{eff}[\%])/100 \text{ x } (1 - RS_{eff}[\%])/100 \text{ x } (1 - \text{Filter}_{eff}[\%])/100 \times K$$

Where:

E	=	$PM/PM_{10}/PM_{2.5}$ emissions in tons/month and tons/yr;
RM_i	=	Amount of each type of primer used in gal/month and gal/yr;
D_i	=	Density of each primer type in lb/gal from label;
wt %	=	solids content of each primer (%) by weight from label;
Transfer_{eff}	=	Transfer Efficiency
RS_{eff}	=	Recycle System Efficiency
Filter_{eff}	=	Filter Efficiency
K	=	Conversion constant = 1 ton/2,000 lbs.

Fiber - Oregon Paint Booth Particulate Emissions:

$$E = \sum (RM_i \times D_i \times (1\text{-roll coat transfer efficiency }[\%])/100 \text{ x } (\text{wt }\%_i)/100) \times K$$

Where:

E	=	$PM/PM_{10}/PM_{2.5}$ emissions in tons/month and tons/yr;
RM_i	=	Amount of each type of paint used in gal/month and gal/yr;
D_i	=	Density of each paint type in lb/gal from paint label;
wt %	=	solids content of each paint (%) by weight from paint label;
K	=	Conversion constant = 1 ton/2,000 lbs.

Spray transfer efficiency (%) = 65
Spray booth filter efficiency (%) = 98

72.c. The permittee must maintain usage records of all materials that contain VOCs and calculate the monthly and annual emissions separately for the hardboard line, engineering fabrications, and millwork line using the following equation: [OAR 340-222-0080]

$$E = \sum (RM_i \times D_i \times VOC_i) \times K$$

Where:

E	=	VOC emissions in tons/month and tons/yr;
RM_i	=	Amount of each type of VOC containing raw material used in gal/month and gal/yr;
D_i	=	Density of each type of VOC containing raw material used in lb/gal from MSDS;
VOC_i	=	VOC content of raw material (% by weight from MSDS);
K	=	Conversion constant = 1 ton/2,000 lbs.

72.d. VOC emissions captured and controlled by the biofilter may be reduced by the overall efficiency of the biofilter as determined by a source test reviewed and approved by DEQ.

72.e. Emission factors used for single and combined HAP calculations are provided in Attachment 1 of this permit.

72.f. For each pollutant other than GHG, the annual emissions must be the sum of all of the emissions calculated in Conditions 72.a through 72.e. For GHG, the information provided in the report required by Condition 88 will be used for determining compliance with the PSEL for GHG.

72.g. The emissions factors listed in Condition 72.a and Attachment 1 are not enforceable limits unless otherwise specified in this permit. Compliance with PSELs must only be determined by the calculations contained in Conditions 72.a through 72.e of this permit.

RECORDKEEPING REQUIREMENTS

The recordkeeping conditions in this section are based on OAR 340-218-0050(3)(b); unless otherwise specified.

General Recordkeeping Requirements

73. The permittee must maintain the following general records of testing and monitoring required by this permit: [OAR 340-218-0050(b)(A)]

    73.a. The date, place as defined in the permit, and time of sampling or measurements;
    73.b. The date(s) analyses were performed;
    73.c. The company or entity that performed the analyses;
    73.d. The analytical techniques or methods used;
    73.e. The results of such analyses;
    73.f. The operating conditions as existing at the time of sampling or measurement; and
    73.g. The records of quality assurance for continuous monitoring systems (including but not limited to quality control activities, audits, calibration drift checks).

74. 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)]

75. Unless otherwise specified by permit condition, the permittee must make every effort to maintain 100 percent of the records required by the permit. If information is not obtained or recorded for legitimate reasons (e.g., the monitor or data acquisition system malfunctions due to a power outage), the missing record(s) will not be considered a permit deviation provided the amount of data lost does not exceed 10% of the averaging periods in a reporting period or 10% of the total operating hours in a reporting period, if no averaging time is specified. Upon discovering that a required record is missing, the permittee must document the reason for the missing record. In addition, any missing record that can be recovered from other available information will not be considered a missing record. [340-214-0114, OAR 340-214-0110, and 340-218-0050(3)(b)]

76. 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(b)(B)]

Source Specific Recordkeeping Requirements

77. The permittee must maintain the following specific records of required monitoring:

    77.a. Records of emergency RICE maintenance and operating requirements (Condition 52.f.i);
    77.b. Complaint log (Condition 61);
    77.c. Weekly facility excess fugitive emissions inspections and corrective action (Condition 62);
    77.d. Records of the facility inspection and maintenance activities (Condition 63);
    77.e. Records of all air pollution episodes and emission reduction actions (Condition 64);
    77.f. Monthly and/or quarterly visible emissions observation reports and corrective action log for emissions units PV, CF, CT1, CT2, V, O, and K; (Condition 65);
    77.g. Daily visible emissions observations, number and duration of excursions, and corrective action, if required, for emissions units BH1 and FD; (Condition 66)
    77.h. Quarterly baghouse inspection and corrective action log (Condition 67);
    77.i. Boiler G opacity as measured by the COMS (Condition 68);
    77.j. Hourly records of the steam produced in hog fuel Boiler G while burning non-resinated fuel (Conditions 69 and 71.c);

77.k. Hourly records of the steam produced in hog fuel Boiler G while burning resinated fuel (Conditions 69 and 71.c);
77.l. Hourly records of Boiler G residual oxygen (Condition 69);
77.m. Hourly records of Boiler G opacity, number and duration of excursions, and corrective action if necessary (Condition 70);
77.n. Monthly and annual records of the natural gas combusted in NGCD (Condition 71);
77.o. Weekly records of the type of fuel burned in Boiler G (Condition 71);
77.p. Monthly and annual records of material throughput (BDT) for the Baghouses (BH1), and Cyclones (CF, CT1, CT2);
77.q. Monthly and annual records of the following (Condition 72.a):
77.q.i. Steam produced in Boiler G (1000 lbs);
77.q.ii. MM-T lumber production (MBF);
77.q.iii. WFD-O door skin production (MSF – 1/8" basis); and
77.q.iv. Natural gas burned (MMCF)
77.r. Monthly and annual records of applications of raw materials containing solids (gallons), density of raw material (lb/gal) and solids content (%by weight or lbs/gallon);
77.s. Monthly and annual records of VOC containing raw materials (gallons), density of raw material (lb/gal), and VOC content (% by weight or lbs/gallon);
77.t. Annual emissions as a 12-month rolling total, calculate within 14 days after the end of each month for the previous 12 months.
77.u. Occurrence and length of downtime for all pollution control devices;
77.v. Source test reports; and
77.w. Excess emissions

~~**Surface Coating of Miscellaneous Metal Parts and Wood Products NESHAP Recordkeeping Requirements**~~

~~78. The permittee must collect and keep records of the data and information required by this condition. Failure to collect and keep these records is a deviation from the applicable standard.~~

~~78.a. A copy of each notification and report that the permittee submitted to comply with the Surface Coating of Miscellaneous Metal Parts and Wood Products NESHAPs (40 CFR Part 63, Subpart MMMM and QQQQ). [40 CFR 63.3930(a) and 63.4730(a)]~~
~~78.b. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the permittee must keep a copy of the complete test report. If the permittee uses the information provided by the manufacturer or supplier of the material that was based on testing, the permittee must keep the summary sheet of results provided to the permittee by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier. [40 CFR 63.3930(b) and 63.4730(b)]~~
~~78.c. For each compliance period, the permittee must keep the following records:~~
~~78.c.i. A record of the coating operations on which the permittee used each compliance option and the time periods (beginning and ending dates and times) for each option the permittee used. [40 CFR 63.3930(c)(1) and 63.4730(c)(1)]~~
~~78.c.ii. For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.3941. [40 CFR 63.3930(c)(2) and 63.4730(c)(2)]~~
~~78.d. A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If the permittee is using the compliance material option for all coatings at the source, the permittee may maintain purchase records for each material used rather than a record of the volume used. [40 CFR 63.3930(d) and 63.4730(d)]~~
~~78.e. A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight. [40 CFR 63.3930(e) and 63.4730(e)]~~
~~78.f. A record of the volume fraction of coating solids for each coating used during each compliance period. [40 CFR 63.3930(f) and 63.4730(f)]~~
~~78.g. The permittee must keep records of the date, time and duration of each deviation. [40 CFR 63.3930(j) and 63.4730(j)]~~

~~79. The permittee must keep the records identified in Condition 78 as follows: [40 CFR 63.3931 and 63.4731]~~

~~79.a. The records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.~~

~~79.b. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or record.~~

~~79.c. The permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report or record according to 40 CFR 63.10(b)(1). The permittee must keep the records off-site for the remaining 3 years.~~

REPORTING REQUIREMENTS

The reporting conditions in this section are based on OAR 340-218-0050(3)(c); unless otherwise specified.

General Reporting Requirements

80. Excess Emissions Reporting: The permittee must report all excess emissions as follows: [OAR 340-214-0300 through 340-214-0360]

80.a. Immediately (within 1 hour of event) notify DEQ of an excess emissions event by phone, email or facsimile; and

80.b. Within 15 days of the excess emissions event, submit a written report that contains the following information: [OAR 340-214-0340(1)]

80.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;

80.b.ii. The date and time the permittee notified DEQ of the event;

80.b.iii. The equipment involved;

80.b.iv. Whether the event occurred during planned startup, planned shutdown, scheduled maintenance, or as a result of a breakdown, malfunction or emergency;

80.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;

80.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);

80.b.vii. The final resolution of the cause of the excess emissions; and

80.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.

80.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 Emergency Response System (OERS). The current number is 1-800-452-0311.

80.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.

80.e. The permittee must notify DEQ of planned startup/shutdown or scheduled maintenance events.

80.f. 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)]

81. 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 80.

82. The permittee must submit any required source test report within 45 days after the source test; unless otherwise approved in the source test plan. [OAR 340-218-0050(3)(c)(C) and 340-028-1100]

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

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

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

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

Submit all reports (annual reports, source test plans and reports, etc.) to DEQ's Eastern Region. If you know the name of the Air Quality staff member responsible for your permit, please include it:

DEQ – Eastern Region-Bend
475 NE Bellevue Dr., Suite 110
Bend, OR 97701
541-388-6146
eraqpermits@deq.state.or.us

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:

US Environmental Protection Agency
Enforcement and Compliance Assurance Division
Region 10 (20-C04)
1200 Sixth Avenue, Suite 155
Seattle, WA 98101

Semi-Annual and Annual Reports

85. 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 paper copy of the report must be submitted to the EPA and two copies (one paper copy and one electronic copy) 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)]

85.a. The first semi-annual report shall be due on **July 30** and must include the semi-annual compliance certification, OAR 340-218-0080 and the information identified in Conditions 32.c, 86.h, 86.j and 86.j.

85.b. The annual report shall be due on **March 15** and must consist of the following:
- 85.b.i. The emission fee report; [OAR 340-220-0100]
- 85.b.ii. The second semi-annual compliance certification; and [OAR 340-218-0080]
- 85.b.iii. The information identified in Condition 86.

86. The following information must be included in the annual report:

86.a. Annual records of total steam produced in Boiler G;
86.b. Annual records of fuel combusted in NGCD;
86.c. Annual records of total hardboard pressed on a 1/8" basis;
86.d. Annual records of total raw lumber production;

86.e. Annual records of total amount of solids containing materials used along with the solids percent;
86.f. Annual records of total amount of VOC containing materials used along with the VOC percent;
86.g. Annual records of total greenhouse gases (CO_2e) emissions in accordance with Condition 88;
86.h. Summary of the number and duration of emissions units BH1 and FD visible emissions excursions and brief description of corrective action;
86.i. Summary of the number and duration of Boiler G opacity excursions and brief description of corrective action; and
86.j. Summary of all permit deviations that occurred during the reporting period.

87. 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)]

87.a. The identification of each term or condition of the permit that is the basis of the certification;
87.b. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period. 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 requirements incorporated by reference. When certifying compliance with requirements incorporated by reference, the permittee must provide the information required by this condition.* If necessary, the owner or operator also must identify any other material information that must be included in the certification to comply with Section 113(c)(2) of the FCAA, which prohibits knowingly making a false certification or omitting material information;
87.c. The status of compliance with the 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 Condition 87.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 and 40 CFR Part 64 occurred; and
87.d. Such other facts as DEQ may require to determine the compliance status of the source.
87.e. Notwithstanding any other provision contained in any applicable requirement, the owner or operator may use monitoring as required under OAR 340-218-0050(3) and incorporated into the permit, in addition to any specified compliance methods, for the purpose of submitting compliance certifications. [OAR 340-218-0080(6)(e)]

~~**Greenhouse Gas Reporting:**~~

~~88. If the calendar year emission rate of greenhouse gases (CO_2e) 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).~~

~~**Surface Coating of Miscellaneous Metal Parts and Wood Products NESHAPs Reporting Requirements:**~~

~~89. The permittee must submit semi-annual compliance certification reports required by 40 CFR 63.3920(a) and 63.4720(a). The permittee may submit the reports along with, or as part of, the semiannual compliance certification reports required by Condition 85. The following information must be included with the semiannual report if the permittee submits it as part of the semiannual compliance certification required by Condition 85: [40 CFR 63.3920(a)]~~

~~89.a. If there are no deviations from the emission limitations in Conditions 13 and 22, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period. [40 CFR 63.3920(a)(4) and 63.4620(a)(4)]~~
~~89.b. If there was a deviation from the applicable organic HAP content requirements in Condition 13 and 22, the semiannual compliance report must contain the following information: [40 CFR 63.3920(a)(5) and 63.4620(a)(5)]~~

Pages 37 - 55 redacted -- outside the scope of the SIP