



Oregon

Kate Brown, Governor

Department of Environmental Quality

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Dec. 21, 2018

Entek International LLC
Attn: Bernard Parker
PO Box 127
Lebanon, OR 97355-0127

Re: Issuance of Oregon Title V
Operating Permit Renewal
Permit No. 22-6024
Application No. 27945
Linn County

The Department of Environmental Quality has completed processing your Oregon Title V Operating Permit Renewal application and has issued the enclosed new permit. The permit became effective the date it was signed. If you wish to appeal any of the conditions or limitations contained in the attached permit, or if you have any questions, please contact me at 503-378-5315.

If issues related to the permit conditions cannot be resolved to your satisfaction, you may request a hearing before the Environmental Quality Commission or its authorized representative. Any such requests shall be made in writing within 20 days of the date of this letter, and shall clearly specify which permit conditions are being challenged and why, including each alleged or factual or legal objection. Permit conditions that are not contested shall be in effect upon the date of the objection. Permit conditions that are not contested shall be in effect upon the date the permit was signed (OAR 340-218-0220). Once effective, the new Title V Operating Permit will replace your existing permit.

You are urged to carefully read the permit and take all possible steps to ensure compliance with the conditions established.

Sincerely,

Suzy Luttrell
for:

Karen White-Fallon
Title V Permit Writer

Enclosure

Cc: AQ Division
DEQ -- Salem Office/file





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, OR 97302

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

ISSUED TO:

Entek International LLC
P.O. Box 127
Lebanon, OR 97355

INFORMATION RELIED UPON:

Application Number: 27945
Received: 10/31/14
Additional Information Received: 3/18/16

PLANT SITE LOCATION:

250 Hansard Avenue
Lebanon, OR 97355

LAND USE COMPATIBILITY STATEMENT:

Issued by: City of Lebanon
Dated: 10/12/93

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY


Claudia Davis, Western Region Air Quality Manager

DEC 20 2018
Date

Nature of Business:
Microporous Plastic Manufacture

SIC
3081 Unsupported Plastics, Film, and Sheet
NAICS
326113 Unlaminated Plastics Film and Sheet (except
Packaging) Manufacturing

RESPONSIBLE OFFICIAL

Title: Operations Manager
Title: Vice President

FACILITY CONTACT PERSON

Name: Bernard J. Parker
Title: Director of Environmental Compliance
Phone: (541) 259-3901

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LIST OF ABBREVIATIONS THAT MAY BE USED IN THIS PERMIT

ACDP	Air Contaminant Discharge Permit	I&M	Inspection and maintenance
Act	Federal Clean Air Act	NA	Not applicable
ASTM	American Society of Testing and Materials	NO _x	Nitrogen oxides
Btu	British thermal unit	O ₂	Oxygen
CFR	Code of Federal Regulations	OAR	Oregon Administrative Rules
CO	Carbon Monoxide	ODEQ	Oregon Department of Environmental Quality
CO _{2e}	carbon dioxide equivalent	ORS	Oregon Revised Statutes
CPMS	Continuous parameter monitoring system	O&M	Operation and maintenance
DEQ	Department of Environmental Quality	Pb	Lead
dscf	Dry standard cubic feet	PCD	Pollution Control Device
EF	Emission factor	PM	Particulate matter
EPA	US Environmental Protection Agency	PM ₁₀	Particulate matter less than 10 microns in size
EU	Emissions Unit	PM _{2.5}	Particulate matter less than 2.5 microns in size
FCAA	Federal Clean Air Act	ppm	Parts per million
FSA	Fuel sampling and analysis	PSEL	Plant Site Emission Limit
GHG	greenhouse gas	psia	pounds per square inch, actual
gr/dscf	Grain per dry standard cubic feet (1 pound = 7000 grains)	SERP	Source emissions reduction plan
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	SO ₂	Sulfur dioxide
HCFC	Halogenated Chloro-Fluoro-Carbons	ST	Source test
ID	Identification number or label	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 and state enforceable except Conditions 5, 6, 7, 8, 12, G5, and G9 (OAR 340-248-0010 through 340-248-0180) are only enforceable by the state.
[OAR 340-218-0060]

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

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

Table 1 Emissions Units and Control Devices

Emission Unit Description	EU ID	Pollution Control Device Description	PCD ID
Microporous Plastic Production Operations (fugitives and non-fugitives)	EU-1	VARA Carbon Bed Adsorption System (non-fugitives)	CB-1
Boiler 1, B-1	EU-2.1	None	NA
Boiler 3, B-3	EU-2.3	None	NA

VOC misc. (for VOC PSEL only)	EU-3	VARA Carbon Bed Adsorption System (non-fugitives)	CB-1
Glass Mat Lamination	EU-4	None	NA
PM Controls	EU-5	Baghouse Baghouse Fiber Bed	BH-22, BH-23, FB-14
Aggregate Insignificant Activities (PM/PM ₁₀ /PM _{2.5} VOC)	AI	See Individual Devices	NA

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

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

Facility Wide

Table 2 Summary of Facility Wide emissions limits and standards

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Activity	Monitoring Condition Number
340-208-0210(1)	4	Fugitive emissions	Minimize	Complaint log	7
340-208-0300	5	Air contaminants	Not cause a nuisance	Complaint log	7
340-208-0450	6	PM >250 μ m	No fallout	Complaint log	7
07/01/91 ACDP Condition 7	8	Leak Detection Plan	Comply with plan	Recordkeeping	9

Fugitive 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.
 - 4.a. Such reasonable precautions must include, but not be limited to the following: [OAR 340-208-0210(1)]
 - 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.

4.b. Upon request by DEQ, the permittee must develop a fugitive emission control plan for approval by DEQ if the above precautions are not adequate, and implement the plan whenever fugitive emissions leave the property for more than 18 seconds in a six-minute period.

Nuisance Conditions

5. 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.
6. 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.
7. 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)]

Leak Detection Standard

8. Applicable Requirement: The permittee must comply with and perform the monitoring in the latest Department approved "Leak Detection Plan" on file at the plant site and with the Department. Revision of the plan does not constitute a reopening or modification of this permit. This condition is only enforceable by the state. [07/01/91 ACDP Condition 7]

Leak Detection Monitoring

9. Recordkeeping: The permittee must maintain records of inspection and maintenance activities performed when complying with the requirements of Condition 8. [OAR 340-218-0050(3)(a)]

Accidental Release Prevention:

10. 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]

Emission Unit EU-1 - Microporous Plastic Production Operations

Table 3 Summary of Requirements for Emissions Unit EU-1

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Activity	Monitoring Condition Number
340-208-0110(4)	11	Visible emissions	20% opacity, 6 minute average	NA	NA
07/01/91 ACDP Condition 4	12	TCE	10.0 pounds/hour (daily average)	CEM	13

Visible Emissions Standard

11. Applicable Requirement: The permittee must not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods averaging more than six minutes in any one hour from emissions unit EU-1 which is equal to or greater than 20%, excluding uncombined water. [OAR 340-208-0110(4)].

TCE Standard

12. Applicable Requirement: The permittee must not cause or allow the emission of trichloroethylene (TCE) to exceed ten (10.0) pounds per hour from the VARA Carbon Bed Adsorption System, CB-1, as a daily average. This condition is only enforceable by the state. [07/01/91 ACDP Condition 4]

TCE Continuous Emission Monitoring System (CEMS)

13. Monitoring Requirement: The CEMS must continuously monitor and record the concentration and emission rate of the TCE emissions discharged to the atmosphere from the exhaust of CB-1. The CEMS must consist of subsystems for sample extraction, conditioning, detection, analysis, and data recording/processing.
14. Monitoring Requirement: The CEMS must meet the requirements of 40 CFR 60 Appendix B (performance specifications) and Appendix F (QA/QC procedures).
15. Monitoring Requirement: The source operator must check the zero and span calibration drifts at least once each operating day in accordance with a written procedure. The zero and span must, at a minimum, be adjusted whenever either the 24-hour zero drift or the 24-hour span drift exceeds two times the limit of the performance specification. [40 CFR 60.13(d)(1)]
16. Monitoring Requirement: Except for system breakdowns, repairs, calibrations checks, and zero and span adjustments, all continuous emissions monitoring systems (CEMS) shall be in continuous operation and shall meet minimum frequency of operation requirements as follows: All CEMS shall complete a minimum of one cycle of operation (sampling, analyzing and data recording) for each successive 15-minute period. [40 CFR 60.13(e)]
17. Monitoring Requirement: For CEMS, 1-hour averages shall be computed as follows:
 - 17.a. Except as provided under 17.b., for a full operating hour (any clock hour with 60 minutes of unit operation), at least four valid data-points are required to calculate the hourly average, *i.e.*, one data point in each of the 15-minute quadrants of the hour.
 - 17.b. For any operating hour in which required maintenance or quality assurance activities (*i.e.* calibrations) are performed:
 - 17.b.i. If the unit operates in two or more quadrants of the hour, a minimum of two valid data points, separated by at least 15 minutes, is required to calculate the hourly average; or
 - 17.b.ii. If the unit operated in only one quadrant of the hour, at least one valid data point is required to calculate the hourly average.
 - 17.c. If a daily calibration drift check is failed during any operating hour, all data for that hour shall be invalidated, unless a subsequent calibration drift check is passed in the same hour and the requirements of 17.b. are met, based solely on valid data recorded after the successful calibration.
 - 17.d. For each operating hour, all valid data points shall be used to calculate the hourly average.
 - 17.e. Data recorded during period of CEMS breakdown, repair, calibration checks, and zero

and span adjustments, shall not be included in the data averages computed under this condition. [40 CFR 60.13(h)(2)]

- 17.f. A daily average is a 24 hour block average starting at midnight each calendar day. All valid operating hours shall be used to calculate the daily average.

18. **Recordkeeping Requirement:** The source operator must maintain written standard operating procedures (SOP) and a quality assurance plan (QAP) for the CEMS. These documents must be reviewed periodically by the CEMS operator and revised as necessary based on experience with the CEMS. The SOP and QAP must contain detailed, complete, step-by-step written procedures. Both documents must be made available to DEQ personnel for inspection upon request.

- 18.a. Standard operating procedures must be written for each CEMS. The contents of the SOP must include, as a minimum, the following information:
- 18.a.i. Source owner or operator name and address.
 - 18.a.ii. Identification, description, and location of monitors in the CEMS.
 - 18.a.iii. Description and location of the sample interface (i.e. sample probe).
 - 18.a.iv. Manufacturer and model number and serial number of each monitor in the CEMS.
 - 18.a.v. Equipment involved in sample transport, sample conditioning, analysis, and data recording.
 - 18.a.vi. Procedures for routine operation checks, including daily zero and span calibration drift (CD) checks.
 - 18.a.vii. Procedures for routine preventive maintenance.
 - 18.a.viii. Routine maintenance spare parts inventory.
 - 18.a.ix. Procedures for calculating and converting CEMS data into the reporting units of the standard.
 - 18.a.x. Documentation of the activities described in 18.a.i through 18.a.ix.
- 18.b. A written quality assurance plan must be maintained. The QAP must include quality control and quality assurance procedures for ensuring that the CEMS will provide accurate and reliable data. The plan must be reviewed annually and updated when there are changes to equipment and procedures. The QAP plan must include the following:
- 18.b.i. Data quality objectives.
 - 18.b.ii. Chain of responsibility for CEMS operation, corrective action, and training program.
 - 18.b.iii. Procedure for measuring the CEMS accuracy and precision including the following:
 - 18.b.iii.A. CEMS calibrations
 - 18.b.iii.B. Zero and span drift checks
 - 18.b.iii.C. Performance audits
 - 18.b.iii.D. System audits
 - 18.b.iv. Quality control activities
 - 18.b.v. Quality control documentation
 - 18.b.vi. Procedures for data recording, calculations, and reporting
 - 18.b.vii. Procedures for calculating data completeness, with a minimum percent completeness requirement per hour and per day.
 - 18.b.viii. Criteria for taking corrective actions
 - 18.b.ix. Procedures for corrective action

19. **Recordkeeping Requirements:** The source owner or operator must maintain records of all CEMS activities in a file and/or log book. This record must be used by the CEMS operator to ensure that the CEMS is operating correctly. The record must also be made available to DEQ personnel upon request. The record must include as a minimum the following information:

- 19.a. Records of routine observation checks.
- 19.b. Records of routine maintenance and adjustments.
- 19.c. Records of parts that are replaced.
- 19.d. Spare parts inventory for the CEMS.

- 19.e. Records of CEMS calibrations.
- 19.f. Records of CEMS daily calibration drift.
- 19.g. Records of CEMS audits.
- 19.h. Records of corrective action taken to bring an “out-of-control” CEMS back into control. (40 CFR 60 Appendix F)
- 19.i. Records of date and time of each period when the CEMS was inoperative or “out-of-control” (40 CFR 60 Appendix F).
20. **Reporting Requirements:** CEMS required reports must include as a minimum the following information:
- 20.a. Reporting period – monthly records to be kept on-site
- 20.b. CEMS type, manufacturer, serial number, and location
- 20.c. The monitoring data must be reduced and reported as follows:
- 20.c.i. Hourly (clock) averages.
- 20.c.ii. Daily average of the hourly averages.
- 20.d. Data completeness information. Include the percent of valid data during the reporting period.
- 20.e. Specific identification and supporting documentation, as required by permit condition, for each period of excess emissions that occurs.
- 20.f. The date and time identifying each period during which the CEMS was inoperative (out-of-control as per 40CFR60 Appendix F) except for zero and span checks, and the nature of the CEMS repairs or adjustments.
- 20.g. Reporting requirements for CEMS performance assessments conducted are outlined below. Assessment requirements are dependent on applicable performance specifications and QA/QC requirements.
- 20.g.i. Results of initial performance assessment, submit to DEQ.
- 20.g.ii. Results of daily performance assessments, submit to DEQ upon request.
- 20.g.iii. Quarterly performance assessments, submit to DEQ upon request.
- 20.g.iv. Annual performance assessments, submit to DEQ.
- 20.g.v. Performance assessments not specifically listed above, submit to DEQ upon request

Emission Unit - EU-2.1 & 2.3 - Boiler 1 and Boiler 3

Table 4 Summary of Requirements for Emissions Unit EU-2.1 & 2.3

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Activity	Monitoring Condition Number
340-208-0110 and 40 CFR 60.43c(e) &(d)	21	Visible emissions	20% opacity except one 27% opacity in any one hour. (6-minute average)	Weekly VE when oil is used as fuel	23
340-228-0210(2)(b)	22	PM	0.14 gr/dscf @12%CO ₂ (avg. of 3 test runs)	Weekly VE when oil is used as fuel	23
40 CFR Part 63, Subpart DDDDD	23.g -k	HAP	Natural Gas Boiler and tune up requirements	Maintain natural gas boiler status and periodic tune ups	23.g -k
40 CFR 60.42c(d), 340-228-0110(2)	24	SO ₂	Fuel oil ≤ 0.5% S by weight (each shipment)	NA	26
40 CFR 60.42c(d), 40 CFR 60.43c(h)(4) 340-228-0110(2)	25	SO ₂	Fuel oil ≤ 0.5% S by weight (each shipment)	NA	26

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Activity	Monitoring Condition Number
40 CFR 60.7(b)	28	Startup, shutdown, malfunction events	Maintain records	Recordkeeping	28
40 CFR 60.11(d)	29	Minimize emissions	Operate equipment with good air pollution control practices	NA	NA
40 CFR 60.11(g)	30	Credible Evidence	All relevant information may be used to determine compliance.	NA	NA
40 CFR 60.12	31	Circumvention	Do not alter unit to conceal emissions	Annual inspection	NA

PM and Visible Emissions Standards

21. Applicable Requirement: The permittee must not cause to be discharged into the atmosphere any gases from emissions units EU-2.1 and 2.3, when burning oil, that exhibit greater than 20 percent opacity (6-minute average) except for one 6-minute period per hour of not more than 27 percent opacity. This standard does not apply during periods of startup, shutdown, or malfunction. [40 CFR 60.43c(c)&(d)] [OAR 340-208-0110]
22. Applicable Requirement: The permittee shall not cause or allow the emission of particulate matter in excess of 0.10 grains per dry standard cubic foot, corrected to 12% CO₂ or 50% excess air, from emissions units EU-2.1 and 2.3. [OAR 340-228-0210(2)(b)]

PM and Visible Emissions Monitoring

23. Monitoring Requirement: At least once per week, the permittee must conduct EPA Method 9 visible emissions tests on emissions units EU-2.1 and 2.3. [40 CFR 60.47c(g)]
- 23.a. This requirement may be waived for a given period when the boiler is fired on natural gas 100% of the time during that period.
- 23.b. If visible emissions tests conducted over 6 consecutive weeks show opacity to be within applicable limits, then the testing need only be done once per month. Should a test exceed the applicable standard, the permittee must initiate corrective action as soon as is practicable to bring the source into compliance with the emission standards specified in Conditions 21 and 22. Upon completion of the corrective action(s), the permittee must conduct a retest of the visible emissions to demonstrate emissions units EU-2.1 and/or 2.3 are in compliance with the applicable standards.
- 23.c. If the observer is unable to conduct the tests due to darkness or visual interference caused by other visible emission sources or due to adverse weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the observation form and make at least three attempts to conduct the tests and/or surveys at approximately 2-hour intervals throughout the day during daylight hours. The permittee shall attempt to make the tests daily until a valid observation period is completed.
- 23.d. EU-2.3 is exempt from the standard for PM if combusting only oil that contains no more than 0.5% sulfur. [40 CFR 60.43c(e)(4)]
- 23.e. Opacity monitoring must be conducted during any period where oil is burned in EU-2.3 consistent with 60.47c(a)(1), (2) or (3).

- 23.f. Recordkeeping: The permittee shall maintain records of all visible emissions tests, including date, time, observer, observations, results, type of fuel being burned and any corrective actions taken. If a test is waived because the unit is burning natural gas, so state on the record.

NESHAP 40 CFR 63 SUBPART DDDDD

- 23.g. The permittee can only burn oil in EU-2.1 and EU-2.3 during periods of gas curtailment, gas supply interruptions, maintenance, operator training, or for periodic testing. Oil burning during periodic testing of liquid fuel, maintenance or operator training shall not exceed a combined total of 48 hours during any calendar year.
- 23.h. Applicable Requirement: The permittee must comply with all of the requirements in 40 CFR Part 63 Subpart DDDDD. [40 CFR 63.7480 to 63.7575]

Work Practice Standards [40 CFR 63.7500 and Table 3]

- 23.i. Applicable Requirement: The permittee must conduct a tune-up of the boilers every 5 years thereafter as specified in 40 CFR 63.7540(a)(10). [40 CFR 63.7500(e)]

Record keeping requirements [40 CFR 63.10 and 40 CFR Part 63 Table 10]

- 23.j. The permittee must maintain the following records of boiler tune-ups: [40 CFR 63.7540(a)(10)]
- 23.j.i. The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
- 23.j.ii. A description of any corrective actions taken as a part of the tune-up; and
- 23.j.iii. The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

Reporting Requirements [40 CFR 63.7550 and Table 9]

- 23.k. The permittee must submit a compliance report every 5 years beginning January 31, 2016. [40 CFR 63.7550(b)]. This may be submitted with the annual report and must include: [40 CFR 7550(c)(5)]
- 23.k.i. Company and Facility name and address,
- 23.k.ii. Process unit information,
- 23.k.iii. Date of report and beginning and ending dates of the reporting period,
- 23.k.iv. The total operating time during the reporting period.
- 23.k.v. A work practices deviation report or a statement that there were no deviations to the work practices.

Fuel Sulfur Standards

24. Applicable Requirement: The permittee shall not combust fuel oil in emissions unit EU-2.1 that contains greater than 0.5 percent sulfur by weight. [40 CFR 60.42c(d) & 340-228-0110(2)]
25. Applicable Requirement: The permittee shall not combust fuel oil in emissions unit EU-2.3 that contains greater than 0.5 percent sulfur by weight. [40 CFR 60.42c(d), 40 CFR 60.43c(h)(4) & 340-228-0110(2)]

Fuel Monitoring

26. Monitoring Requirement: The permittee shall monitor the sulfur content of each shipment of fuel received by obtaining a sulfur content certificate from each vendor for each shipment of fuel received. [40 CFR 60.42c(h)(1), 40 CFR 60.44c(h), and 40 CFR 60.48c(f)(1)]
- 26.a. The fuel supplier certification shall include the following information:
 - 26.a.i. The name of oil supplier.
 - 26.a.ii. A statement from the oil supplier that the oil complies with the EPA sulfur specification for diesel oil.
 - 26.a.iii. The sulfur content or maximum sulfur content of the oil.
27. Recordkeeping Requirement: The permittee must record and maintain records of the amount of each fuel combusted each month for emissions units EU-2.1 and 2.3. [40 CFR 60.48c(g)(3)]

Startup, Shutdown, and Malfunction Requirement

28. Recordkeeping Requirement: The permittee must maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of emissions units EU-2.1 and 2.3. [40 CFR 60.7(b)]

Good Air Pollution Control Practices

29. Applicable Requirement: The permittee shall at all times, to the extent practicable, including periods of startup, shutdown, and malfunction maintain and operate emissions units EU-2.1 and 2.3 in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.11(d)]

Credible Evidence Requirement

30. Applicable Requirement: For the purpose of submitting compliance certifications or establishing whether or not the permittee violated or is in violation of any standard in 40 CFR Part 60, nothing shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether the source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [40 CFR 60.11(g)]

Circumvention Standard

31. Applicable Requirement: The permittee must not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]

Emission Unit EU-4 - Glass Mat Lamination

Table 5 Summary of Requirements for Emission Unit EU-4

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Activity	Monitoring Condition Number
40 CFR 63; Subpart JJJJ (Paper & Other Web Coating) 340-244-0220	32	Organic HAP	≤0.04 kg organic HAP/kg coating material; or ≤0.2 kg organic HAP/kg coating solids	Monitor organic HAP content	33

32. Applicable Requirement: The permittee shall limit organic HAP emissions from the use of coating materials to one of the following limits: [40 CFR 63.3320(b); 3370(b) and 3370(c)]
- 32.a. No more than 0.04 kg organic HAP/kg coating material; or
 - 32.b. No more than 0.2 kg organic HAP/kg coating solids.
33. Monitoring Requirements: The permittee shall demonstrate compliance with condition 32 by determining the organic HAP mass fraction of each coating material “as-purchased” by following one of the procedures in conditions 33.a or 33.b, or determining the organic HAP mass fraction of each coating material “as-applied” by following the procedures in condition 33.c. [40 CFR 63.3360(c)]
- 33.a. *Method 311.* You may test the coating material in accordance with Method 311 of appendix A of this part. The Method 311 determination may be performed by the manufacturer of the coating material and the results provided to the permittee. The organic HAP content must be calculated according to the criteria and procedures in paragraphs (c)(1)(i) through (iii) of this section.
 - 33.a.i. Include each organic HAP determined to be present at greater than or equal to 0.1 mass percent for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and greater than or equal to 1.0 mass percent for other organic HAP compounds.
 - 33.a.ii. Express the mass fraction of each organic HAP according to paragraph 33.a.i of this section as a value truncated to four places after the decimal point (for example, 0.3791).
 - 33.a.iii. Calculate the total mass fraction of organic HAP in the tested material by summing the counted individual organic HAP mass fractions and truncating the result to three places after the decimal point (for example, 0.763).
 - 33.b. *Formulation data.* The permittee may use formulation data to determine the organic HAP mass fraction of a coating material. Formulation data may be provided to the permittee by the manufacturer of the material. In the event of an inconsistency between Method 311 (appendix A of 40 CFR part 63) test data and the permittee’s formulation data, and the Method 311 test value is higher, the Method 311 data will govern. Formulation data may be used provided that the information represents all organic HAP present at a level equal to or greater than 0.1 percent for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and equal to or greater than 1.0 percent for other organic HAP compounds in any raw material used.
 - 33.c. *As-applied organic HAP mass fraction.* If the as-purchased coating material is applied to the web without any solvent or other material added, then the as-applied organic HAP mass fraction is equal to the as-purchased organic HAP mass fraction. Otherwise, the as-applied organic HAP mass fraction must be calculated using Equation 1a of 40 CFR 63.3370 and compliance must be demonstrated using one of the procedures in paragraphs (c)(1) through (c)(4) of 40 CFR 63.3370 to demonstrate that either:
 - 33.c.i. The organic HAP content of each coating material as-applied at an existing affected source is no more than 0.04 kg organic HAP per kg coating material or 0.2 kg organic HAP per kg coating solids; or
 - 33.c.ii. The monthly average organic HAP content of all as-applied coating materials at an existing affected source are no more than 0.04 kg organic HAP per kg coating material or 0.2 kg organic HAP per kg coating solids.

34. Recordkeeping Requirements: The permittee shall maintain the following records relating to the coatings subject to condition 32:

- 34.a. Coating usage
- 34.b. Organic HAP data;
- 34.c. Coating solids data (if relied upon for compliance);
- 34.d. Records of demonstration of compliance.

Emission Unit EU-5 - PM Controls

Table 6 Summary of Requirements for Emissions Unit EU-5

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Activity	Monitoring Condition Number
Opacity	35	Visible emissions	20% opacity (6-minute average)	Weekly dP reading	37
Grain Loading	36	PM	0.14 gr/dscf @12%CO ₂ (avg. of 3 test runs)	Weekly dP reading	37

PM and Visible Emissions Standards

35. Applicable Requirement: The permittee must not cause to be discharged into the atmosphere any non-fugitive emissions from emissions unit EU-5 that equal or exceed 20 percent opacity (6-minute average). [OAR 340-208-0110]
36. Applicable Requirement: The permittee shall not cause or allow the emission of particulate matter in excess of 0.10 grains per dry standard cubic foot from emissions unit EU-5. [OAR 340-226-0210(2)(b) and (c)]

PM and Visible Emissions Monitoring

37. Monitoring Requirement: At least once per calendar week, the permittee must review and record the pressure drop across the control device to verify that it is within the manufacturer's suggested range. Such range shall be prominently posted on the control device. [OAR 340-226-0120]
- 37.a. If the monitored average pressure drop of any control device with EU-5 is outside the manufacturer's suggested operating range, the permittee must take expeditious action to return the pressure drop to within the range.
 - 37.b. The pressure drop being outside of the manufacturer's suggested range is not a violation of this permit condition; however, it is a violation of this permit condition if the permittee fails to expeditiously take action to return the pressure drop to within the specified range.
38. Recordkeeping: The permittee shall maintain records of all pressure drop readings, including date, time, results, and any corrective actions taken.

40 CFR Part 63 Subpart EEEE (Organic Liquid Distribution) Requirements

39. Recordkeeping Requirement: The permittee is required to maintain documentation that the TCE storage tanks have a capacity of less than 5,000 gallons and that its loading racks only unload TCE. 40 CFR 63.2343(a). This documentation must include identification of each storage tank and loading rack in organic liquids service.

Insignificant Activities

40. 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:
- 40.a. OAR 340-208-0110 (20% opacity)
 - 40.b. OAR 340-226-0210 (0.14 gr/dscf for non-fugitive, non-fuel burning equipment)
 - 40.c. OAR 340-226-0310 (process weight limit for non-fugitive, non-fuel burning process equipment)
 - 40.d. OAR 340-228-0210 (0.14 gr/dscf corrected to 12% CO₂ or 50% excess air for fuel burning equipment)
41. Testing, Monitoring, and Recordkeeping Requirements: Unless otherwise specified in this permit or an applicable requirement, the Department is not requiring any testing, monitoring, recordkeeping, or reporting for the applicable emissions limits and standards that apply to IEUs. However, if testing were performed for compliance purposes, the permittee would be required to use the test methods identified in the definitions of “opacity” and “particulate matter” in OAR 340-208-0010 and perform the testing in accordance with the Department’s Source Sampling Manual.

40 CFR Part 63 Subpart ZZZZ (RICE Engine) Requirements

42. Emergency stationary reciprocating internal combustion engines (RICE) are subject to the following requirements: [40 CFR 63.6640(f)]
- 42.a.i. For each emergency stationary RICE, the permittee must:
 - 42.a.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)]
 - 42.a.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)]
 - 42.a.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)]
 - 42.a.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]
 - 42.a.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)]
 - 42.a.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)]
 - 42.a.iv. Operating conditions: [40 CFR 63.6640(f)(2)]
 - 42.a.iv.A. There is no time limit on the use of emergency stationary RICE in emergency situations.
 - 42.a.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.

42.a.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.

42.a.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)]

PLANT SITE EMISSION LIMITS

PSEL Standards

43. 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]

44. **Table 6 Plant Site Emission Limits**

Pollutant	Plant Site Emission Limit (Tons/year)
PM	24
PM ₁₀	14
PM _{2.5}	9
CO	99
NO _x	42
SO ₂	39
VOC	139

44.a. Compliance with PSELs must be determined using the calculations contained in Condition 44.c using the monitored parameters recorded during the reporting period and the emission factors contained in Condition 44.b unless the permittee elects to pay emission fees based on actual emissions using a verified emission factor determined in accordance with OAR 340-220-0170. If the permittee is paying on actual emissions based on a verified emission factor, the verified emission factor must be used for determining compliance with the PSEL in accordance with Condition 43.

PSEL Monitoring

44.b. The permittee must maintain records of the following process parameters:

Table 7 Process Parameters

Emissions Unit(s)/ Process	Process Parameter	Units	Frequency
EU-1	Solvent used	gallons & VOC content	Monthly and annually
EU-2.1 and EU-2.3	Natural Gas combusted	million cubic feet	Monthly and annually
EU-2.1 and EU-2.3	Oil combusted	gallons	Monthly and annually
EU-3	VOC products	gallons & VOC content	Monthly and annually
EU-5	Production	board feet	Monthly and annually

- 44.c. The permittee must calculate pollutant mass emissions for each 12-month period using the following equation:

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

where:

E = pollutant emissions (tons/year).

P_{eu} = process parameters identified in Condition 44.b.

EF_{eu} = emission factor identified for each emissions unit and pollutant in Condition 44.f.

MB = VOC emissions derived in accordance with Condition 44.d.

AI = 1 ton as applicable for PM, PM₁₀/PM_{2.5}, and VOC aggregate insignificant activities.

- 44.d. The permittee shall determine the annual VOC emissions from emissions units EU-1 and EU-3 by using mass balance methodology to calculate the gallons of VOC used each month. VOC in hazardous waste shipped off-site for disposal and VOC in carbon shipped off-site for regeneration, and VOC in product shipped off-site can be subtracted out of the mass balance. The permittee will sum the monthly amounts for the given 12-month period.
- 44.e. The permittee must complete the emissions calculations and comparison with the PSEL for each 12-month period by the end of the following month.
- 44.f. The emission factors for calculating pollutant emissions are as follows:

Table 8 Emission Factors

Emissions Unit/Device	Pollutant	Emission Factor	Units	Reference
EU-2.1				
Natural Gas	PM	2.5	lb/MMft ³	DEQ AQ-EF05
Oil	PM	3.3	lb/Mgal	DEQ AQ-EF04
Natural Gas	PM _{10/2.5}	2.5	lb/MMft ³	DEQ AQ-EF05
Oil	PM _{10/2.5}	2.3	lb/Mgal	DEQ AQ-EF04
Natural Gas	CO	84.0	lb/MMft ³	DEQ AQ-EF05
Oil	CO	5.0	lb/Mgal	DEQ AQ-EF04
Natural Gas	NO _x	83.9	lb/MMft ³	August 1999 Source Test
Oil	NO _x	24	lb/Mgal	DEQ AQ-EF04
Natural Gas	SO ₂	1.7	lb/MMft ³	DEQ AQ-EF05
Oil	SO ₂	71	lb/Mgal	DEQ AQ-EF04
Natural Gas	VOC	5.5	lb/MMft ³	DEQ AQ-EF05
Oil	VOC	0.76	lb/Mgal	DEQ AQ-EF04
EU-2.3				
Natural Gas	PM	2.5	lb/MMft ³	DEQ AQ-EF05
Oil	PM	3.3	lb/Mgal	DEQ AQ-EF04
Natural Gas	PM _{10/2.5}	2.5	lb/MMft ³	DEQ AQ-EF05
Oil	PM _{10/2.5}	2.3	lb/Mgal	DEQ AQ-EF04
Natural Gas	CO	84.0	lb/MMft ³	AQ-EF05
Oil	CO	5.0	lb/Mgal	AQ-EF04
Natural Gas	NO _x	50	lb/MMft ³	AQ-EF05
Oil	NO _x	24	lb/Mgal	AQ-EF04
Natural Gas	SO ₂	1.7	lb/MMft ³	DEQ AQ-EF05
Oil	SO ₂	71	lb/Mgal	DEQ AQ-EF04
Natural Gas	VOC	5.5	lb/MMft ³	DEQ AQ-EF05
Oil	VOC	0.76	lb/Mgal	DEQ AQ-EF04

Emissions Unit/Device	Pollutant	Emission Factor	Units	Reference
EU-5				
BH-22	PM	1.11E-05	lbs./bd. ft.	ENTEK ENGINEERING ESTIMATE
BH-22	PM ₁₀	3.48E-06	lbs./ bd. ft.	ENTEK ENGINEERING ESTIMATE
BH-22	PM _{2.5}	3.45E-08	lbs./ bd. ft.	ENTEK ENGINEERING ESTIMATE
BH-23	PM	1.57E-05	lbs./ bd. ft.	ENTEK ENGINEERING ESTIMATE
BH-23	PM ₁₀	2.3589E-06	lbs./ bd. ft.	ENTEK ENGINEERING ESTIMATE
BH-23	PM _{2.5}	3.4644E-08	lbs./ bd. ft.	ENTEK ENGINEERING ESTIMATE
FB-14	PM	5.42E-05	lbs./ bd. ft.	ENTEK ENGINEERING ESTIMATE
FB-14	PM ₁₀	5.42E-05	lbs./ bd. ft.	ENTEK ENGINEERING ESTIMATE
FB-14	PM _{2.5}	5.42E-05	lbs./ bd. ft.	ENTEK ENGINEERING ESTIMATE

44.g. The emission factors listed in 44.f are not enforceable limits unless otherwise specified in this permit.

44.h. Recordkeeping. The permittee must maintain the records of the following:

44.h.i. Emission calculations and comparisons with the PSEL.

44.h.ii. Hourly and monthly amounts of TCE emissions from the VARA carbon bed stack.

44.h.iii. Monthly amounts of fugitive TCE emissions.

44.h.iv. Monthly amounts of TCE received on site.

44.h.v. Monthly amounts of TCE in on site inventory.

44.h.vi. Monthly amounts of hazardous waste shipped off site and actual TCE content for each shipment.

44.h.vii. Monthly amounts of TCE in carbon shipped off site for regeneration.

44.h.viii. Monthly amounts of TCE sent out in the end product.

44.h.ix. Monthly amounts of VOC products (other than TCE) used and VOC content.

EMISSION FEES

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

GENERAL TESTING REQUIREMENTS

46. Unless otherwise specified in this permit, the permittee must conduct all testing in accordance with DEQ's Source Sampling Manual. [OAR 340-212-0120]
- 46.a. Unless otherwise specified by a state or federal regulation, the permittee must submit a source test plan to DEQ at least 30 days prior to the date of the test. The test plan must be prepared in accordance with the Source Sampling Manual and address any planned variations or alternatives to prescribed test methods. 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.
- 46.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.
- 46.c. Unless otherwise specified by permit condition or DEQ approved source test plan, all compliance source tests must be performed as follows:
- 46.c.i. At least 90% of the design capacity for new or modified equipment;
- 46.c.ii. At least 90% of the maximum operating rate for existing equipment; or
- 46.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.
- 46.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.
- 46.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:

47. The permittee must not knowingly render inaccurate any required monitoring device or method. [OAR 340-218-0050(3)(a)(E)]
48. 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)]
49. 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

50. The permittee must maintain the following general records of testing and monitoring required by this permit: [OAR 340-218-0050(3)(b)(A)]
- 50.a. The date, place as defined in the permit, and time of sampling or measurements;
- 50.b. The date(s) analyses were performed;
- 50.c. The company or entity that performed the analyses;

- 50.d. The analytical techniques or methods used;
 - 50.e. The results of such analyses;
 - 50.f. The operating conditions as existing at the time of sampling or measurement; and
 - 50.g. The records of quality assurance for continuous monitoring systems (including but not limited to quality control activities, audits, calibration drift checks).
51. 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)]
52. 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)]
53. 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)]

REPORTING REQUIREMENTS

General Reporting Requirements

54. Excess Emissions Reporting: The permittee must report all excess emissions as follows: [OAR 340-214-0300 through 340-214-0360]
- 54.a. Immediately (within 1 hour of the event) notify DEQ of an excess emission event by phone, email, or facsimile; and
 - 54.b. Within 15 days of the excess emissions event, submit a written report that contains the following information: [OAR 340-214-0340(1)]
 - 54.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;
 - 54.b.ii. The date and time the permittee notified DEQ of the event;
 - 54.b.iii. The equipment involved;
 - 54.b.iv. Whether the event occurred during planned startup, planned shutdown, scheduled maintenance, or as a result of a breakdown, malfunction, or emergency;
 - 54.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;
 - 54.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);
 - 54.b.vii. The final resolution of the cause of the excess emissions; and
 - 54.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.

- 54.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.
 - 54.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.
 - 54.e. The permittee must notify DEQ of planned startup/shutdown or scheduled maintenance events.
 - 54.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)]
55. **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 54.
56. All required reports must be certified by a responsible official consistent with OAR 340-218-0040(5); [OAR 340-218-0050(3)(c)(D)]
57. Reporting requirements 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:

<p>Submit all Notices and applications that do not include payment to the Northwest Region's Permit Coordinator.</p> <p>Submit all reports (annual reports, source test plans and reports, etc.) to DEQ's Northwest Region. If you know the name of the Air Quality staff member responsible for your permit, please include it.</p>	<p>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</p>	<p>Submit all reports for EPA requirements to: Air Operating Permits US Environmental Protection Agency Mail Stop OAQ-108 1200 Sixth Avenue Seattle, WA 98101</p>
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Northwest Region
 4026 Fairview Industrial Drive
 SE
 Salem, OR 97302

Semi-Annual NSPS Reporting Requirements

- 58. With each semi-annual report required under conditions 52 and 53 the following information must be submitted: [40 CFR 60.48c(e)(11)]
 - 58.a. Calendar dates covered in the reporting period.

- 58.b. Fuel supplier certifications of the sulfur content of the fuel delivered to the permittee.
- 58.c. A statement by the permittee that the records of fuel supplier certifications submitted represents all of the fuel oil combusted in emissions units EU-2.1 and 2.3 during the reporting period or that no oil was combusted in emissions units EU-2.1 or 2.3.
- 58.d. Excess emission reports in accordance with §60.48c(c)

Semi-Annual and Annual Title V Reporting Requirements

- 59. The permittee must submit three (3) copies of reports of any required monitoring at least every 6 months, completed on forms approved by the Department. Six month periods are January 1 to Jun 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)]

Semi-Annual Reports

- 60. The Semi-Annual Compliance Certification Report (Form R1002 and if applicable R1003) for the period January 1 through June 30 must be submitted by **July 30**. [OAR 340-218-0080]
- 61. The Semi-Annual Compliance Certification Report (Form R1002 and if applicable R1003) for the period July 1 through December 31 must be submitted by **March 15**. [OAR 340-218-0080]
- 62. 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)]
 - 62.a. The identification of each term or condition of the permit that is the basis of the certification;
 - 62.b. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means must include, at a minimum, the methods and means required under OAR 340-218-0050(3). *Note: Certification of compliance with the monitoring conditions in the permit is sufficient to meet this requirement, except when the permittee must certify compliance with new applicable conditions that are not yet in the permit but are incorporated by reference. When certifying compliance with new applicable conditions that are not yet in the permit but are incorporated by reference, the permittee must provide the information required by this condition.* If necessary, the owner or operator also must identify any other material information that must be included in the certification to comply with section 113(c)(2) of the FCAA, which prohibits knowingly making a false certification or omitting material information;
 - 62.c. The status of compliance with terms and conditions of the permit for the period covered by the certification, based on the method or means designated in Condition 62.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
 - 62.d. Such other facts as the Department may require to determine the compliance status of the source.

- 62.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)]

Annual Reports

- 63. The annual report is due no later than **March 15** and must consist of the following:
 - 63.a. The Annual Emissions Inventory Report (Form R1001). [40 CFR Part 51]
 - 63.b. The Emission Fee Reports (Forms F1101 through F1106 as applicable). [OAR 340-220-0100]
 - 63.c. The excess emissions upset log summary. [OAR 340-214-0340]
 - 63.d. Summary of leak detection and fugitive emission reduction activities conducted and/or implemented during the year.
 - 63.e. Greenhouse Gas Emissions as required by OAR 340 Division 215.

NON-APPLICABLE REQUIREMENTS

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

<u>Non-Applicable Requirement</u>	<u>Reason Code</u>	<u>Non-Applicable Requirement</u>	<u>Reason Code</u>	<u>Non-Applicable Requirement</u>	<u>Reason Code</u>	<u>Non-Applicable Requirement</u>	<u>Reason Code</u>
OAR Chapter 340:		Division 228:		0410 through 0440	b	0030	b
Division 202		0100	f	0500	b	0040	b
all rules	b	0120	f	Division 238:		Division 264	
Division 206		0130	f	0100	e	0100	d
0050	c	0200	e	Division 240:		0120 through 0170	d
Division 208		0300	b	0110 through 0440	c	0190	e
0510 through 0640	c	Division 230:		Division 242:		40 CFR	
Division 210:		0100 through 0150	e	0010 through 0790	c	Part 55	b
0100 through 0120	b	0200 through 0230	e	Division 244:		Part 57	b
0200 through 0220	b	0310 through 0360	e	0110 through 0180	h	Part 60, except subparts A, Dc, and appendices	b
Division 214:		0410	e	0200	b	Part 61, except subpart A, M, and appendices	b
0130(2) and (3)	h	Division 232:		0210	b	Part 63, except subparts A, JJJJ, DDDDD and appendices	b
0210 and 0220	b	0040 through 0240	c	0220	b	Part 68	b
Division 218:		Division 234:		0230	b	Parts 72 through 78	b
0050(4)	b	0110 through 0140	e	Division 256:		Part 82, except subpart F	b
0050(8)	h	0210 through 0270	b	0130	b	Parts 85 through 89	b
0090	b	0310 through 0360	b	0200 through 0470	b	Division 258:	
0100	b	0410 through 0430	b	0120 through 0310	b	0400	b
Division 222		0510 through 0530	b	Division 260:			
0050	h	Division 236:					
Division 226:		0120 through 0150	b				
0310 and 0320	e	0220 and 0230	b				
0400	h	0310 through 0330	b				

Reason code definitions:

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

GENERAL CONDITIONSG1. 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).
- c. Sources are not shielded from applicable requirements that are enacted during the permit term, unless such applicable requirements are incorporated into the permit by administrative amendment, as provided in OAR 340-218-0150(1)(h), significant permit modification, or reopening for cause by 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 Department of Environmental Quality, Financial Services, 700 NE Multnomah St., Suite 600 Portland, OR 97232, 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)(c)]
- Notwithstanding Conditions G16 and G17, the filing of a request by the permittee for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- 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)(c) 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.

ALL INQUIRIES SHOULD BE DIRECTED TO:

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