



State of Oregon  
Department of  
Environmental  
Quality

Permit Number: AQGP-008

Expiration Date: 10/01/2027

Page 1 of 15 Pages

# **GENERAL AIR CONTAMINANT DISCHARGE PERMIT**

Department of Environmental Quality  
Operations Division  
Air Operations Section  
700 NE Multnomah Street, Suite 600  
Portland, OR 97232  
Telephone: 503-229-5696

This permit is issued in accordance with the provisions of ORS 468A.040 and OAR 340-216-0060

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## **ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY**

Signed copy of permit on file at DEQ

October 10, 2017

\_\_\_\_\_  
Lydia Emer, Operations Division Administrator

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Dated

Portable and stationary rock crushers, screens, and associated material handling activities such as storage piles, conveyors, and vehicle traffic. Other equipment may include electrical generators with internal combustion engines. SIC 1442

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## **TABLE OF CONTENTS**

1.0	PERMIT ASSIGNMENT .....	2
2.0	GENERAL EMISSION STANDARDS AND LIMITS .....	2
3.0	OPERATION AND MAINTENANCE REQUIREMENTS .....	6
4.0	PLANT SITE EMISSION LIMITS .....	6
5.0	COMPLIANCE DEMONSTRATION .....	7
6.0	RECORDKEEPING REQUIREMENTS .....	8
7.0	REPORTING REQUIREMENTS .....	9
8.0	ADMINISTRATIVE REQUIREMENTS .....	11
9.0	FEES .....	13
10.0	GENERAL CONDITIONS AND DISCLAIMERS .....	13
11.0	ABBREVIATIONS, ACRONYMS, AND DEFINITIONS .....	15



State of Oregon  
Department of  
Environmental  
Quality

Permit Number: AQGP-008

Expiration Date: 10/01/2027

Page 2 of 15 Pages

## **1.0 PERMIT ASSIGNMENT**

- 1.1 Qualifications** The permittee must meet all of the following conditions in order to qualify for assignment to this General Air Contaminant Discharge Permit (ACDP):
- a. The permittee is performing rock crushing activities listed on the cover page of this permit, including supporting activities.
  - b. A Simple or Standard ACDP is not required for the source.
  - c. The source is not having ongoing, recurring or serious compliance problems.
- 1.2 Assignment** DEQ will assign qualifying permittees to this permit that have and maintain a good record of compliance with DEQ's Air Quality regulations and that DEQ determines would be appropriately regulated by a General ACDP. DEQ may rescind assignment if the permittee no longer meets the requirements of OAR 340-216-0025(2), 340-216-0060 and the conditions of this permit.
- 1.3 Permitted Activities** The permittee is allowed to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, revoked or rescinded as long as conditions of this permit are complied with. If there are other emissions activities occurring at the site besides those listed on the cover page of this permit, the permittee may be required to obtain an associated General ACDP Attachment or a Simple or Standard ACDP, if applicable.
- 1.4 Relation to local land use laws** This permit is not valid in Lane County, or at any location where the operation of the permittee's processes, activities, and insignificant activities would be in violation of any local land use or zoning laws. For operation in Lane County, contact Lane Regional Air Protection Agency for any necessary permits at 541-736-1056. It is the permittee's sole responsibility to obtain local land use approvals as, or where, applicable before operating this facility at any location.

## **2.0 GENERAL EMISSION STANDARDS AND LIMITS**



State of Oregon  
Department of  
Environmental  
Quality

Permit Number: AQGP-008

Expiration Date: 10/01/2027

Page 3 of 15 Pages

## 2.1 Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

- a. Visible emissions from sources installed, constructed or modified prior to June 1, 1970, and located outside a special control area, must not equal or exceed:
  - i. An average of 40 percent opacity through December 31, 2019; and
  - ii. An average of 20 percent opacity on and after January 1, 2020.
- b. Visible emissions from sources installed, constructed or modified on or after June 1, 1970 and from any source located inside a special control area must not equal or exceed an average of 20 percent opacity.
- c. The visible emissions limitation in this condition is based upon a six-minute block average of 24 consecutive observations recorded at 15-second intervals as specified in OAR 340-208-0110(2).
- d. The visible emissions standard in this condition does not apply to fugitive emissions from the source.
- e. As used in this condition, "special control area" means an area designated in OAR 340-204-0070:
  - i. Benton, Clackamas, Columbia, Lane, Linn, Marion, Multnomah, Polk, Washington and Yamhill Counties;
  - ii. Umpqua Basin and Rogue Basin - associated boundaries are defined in OAR 340-204-0010; and
  - iii. Areas within incorporated cities having a population of 4,000 or more, and within three miles of the corporate limits of any such city.

## 2.2 Fugitive Emissions

The permittee must comply with the following, as necessary:

- a. The permittee must take reasonable precautions to prevent fugitive particulate matter from becoming airborne from all site operations from which it may be generated. Such reasonable precautions may include, but not be limited to:
  - i. Controlling vehicle speeds on unpaved roadways;
  - ii. Application of water or other suitable chemicals on unpaved roads, material stockpiles, and other surfaces which can create airborne dusts;



- iii. Full or partial enclosure of material stockpiles in cases where application of water or other suitable chemicals are not sufficient to prevent particulate matter from becoming airborne;
  - iv. Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne;
  - v. The prompt removal from paved streets of earth or other material (track-out) that may become airborne;
  - vi. Alternative precautions approved by DEQ.
- b. For purposes of this condition, fugitive particulate emissions are visible emissions that leave the permittee's property for a period or periods totaling more than 18 seconds in a six minute period.
  - c. Fugitive particulate emissions are determined by EPA Method 22 at the downwind property boundary.
  - d. If requested by DEQ, the permittee must develop a fugitive emission control plan that will prevent any visible emissions from leaving the property of a source for more than 18 seconds in a six-minute period following the procedures of EPA Method 22.
- 2.3 Particulate Matter Fallout** 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
- 2.4 Nuisance and Odors** The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by DEQ personnel.
- 2.5 Fuels and Fuel Sulfur Content** If the permittee burns any of the fuels listed below, the sulfur content cannot exceed:
- a. 0.0015% sulfur by weight (15 ppmw) for ultra low sulfur diesel;
  - b. 0.3% sulfur by weight (3,000 ppmw) for ASTM Grade 1 distillate oil;
  - c. 0.5% sulfur by weight (5,000 ppmw) for ASTM Grade 2 distillate oil;
  - d. 1.75% sulfur by weight for residual oil;

- e. The permittee is allowed to use on-specification used oil that contains no more than 0.5% sulfur by weight (5,000 ppmw). The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment or batch of used oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

## 2.6 RICE Generator Limitation

The permittee is allowed to use on-specification used oil that contains no more than 0.5% sulfur by weight. The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment or batch of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

- a. The RICE unit will remain and be operated at the same location for more than 12 consecutive months; OR
- b. The RICE unit meets all of the criteria below and is considered a “stationary seasonal source”:
  - i. An engine is a seasonal source if it remains at one location during the full annual operating period of the source and operates at that single location for approximately three (or more) months each year.
  - ii. A seasonal source is a stationary source if it remains and operates in a single location on a permanent basis (i.e., at least two years).
- c. As used above, a location is any single site at a building, structure, facility, or installation. Any engine that replaces an engine at a location and performs the same or similar function will be included in the calculation of consecutive time period.
- d. The permittee must apply for a stationary source RICE generator permit at least 60 days before the facility becomes recognized as a stationary source.

*A compliance handbook is available from DEQ's Small Business Technical Assistance Program by calling (503) 229-6147.*



State of Oregon  
Department of  
Environmental  
Quality

### 3.0 OPERATION AND MAINTENANCE REQUIREMENTS

- 3.1 **Work practices** The use of water sprays or equivalent control is required when the source of minerals to be crushed does not contain adequate moisture to suppress dust conditions.
- 3.2 **Fugitive Emissions Control Plan** While operating in the Medford-Ashland AQMA, the permittee must prepare and implement site-specific plans for the control of fugitive emissions in accordance with OAR 340-240-0180. While operating in the Lakeview Urban Growth Area (UGA), the permittee must prepare and implement site-specific plans for the control of fugitive emissions in accordance with OAR 340-240-0410.
- 3.3 **O&M plan** While operating in the Medford-Ashland AQMA, the permittee must prepare and implement an operation and maintenance (O&M) plan in accordance with OAR 340-240-0190. While operating in the Lakeview UGA, the permittee must prepare and implement an O&M plan in accordance with OAR 340-240-0420.

### 4.0 PLANT SITE EMISSION LIMITS

- 4.1 **Plant Site Emission Limits (PSEL)** Plant site emissions must not exceed the following:

Pollutant	Limit	Units
PM	24	tons per year
PM <sub>10</sub>	14	tons per year
PM <sub>2.5</sub>	9	tons per year
SO <sub>2</sub>	39	tons per year
NO <sub>x</sub>	39	tons per year
CO	99	tons per year
VOC	39	tons per year
GHGs (CO <sub>2</sub> e)	74,000	tons per year

- 4.2 **PM10 PSEL for Medford-Ashland AQMA** For sources operating in the Medford-Ashland AQMA, plant site emissions of PM10 must not exceed the following:

Pollutant	Limit	Units
PM <sub>10</sub>	4.5	tons per year
	49	pounds per day



State of Oregon  
Department of  
Environmental  
Quality

**4.3 Annual Period** The annual plant site emissions limits apply to any 12-consecutive calendar month period.

## 5.0 COMPLIANCE DEMONSTRATION

**5.1 Fuel Sulfur Monitoring** If fuel oil is burned, the permittee must either obtain a certificate from the vendor stating that the fuel sulfur content complies with the limits in Condition 2.5 or have a sample of the fuel analyzed in accordance with the appropriate ASTM analytical procedures. If the permittee has samples analyzed for sulfur, a sample must be collected from the holding tank just after each shipment of oil is added to the tank.

**5.2 PSEL Compliance Monitoring** Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

$$E = \frac{\sum(EF \times P)}{2000}$$

where,

E = pollutant emissions (ton/yr);

EF = pollutant emission factor (see below);

P = process production (tons of crushed rock for the rock crusher and gallons of fuel burned for the generators)

**5.3 Emission Factors** The emission factors for determining compliance with the PSEL are as follows:

Emissions device or activity	Pollutant	Emission Factor (EF)	Emission factor units
Rock crusher	PM	0.04	lb/ton of rock crushed
	PM <sub>10</sub>	0.02	lb/ton of rock crushed
	PM <sub>2.5</sub>	0.0012	lb/ton of rock crushed
Generator(s) (oil-fired)	PM/PM <sub>10</sub> / PM <sub>2.5</sub>	42.5	lb/1000 gallon of fuel burned
	SO <sub>2</sub>	39.7	lb/1000 gallon of fuel burned
	NO <sub>x</sub>	604	lb/1000 gallon of fuel burned
	CO	130	lb/1000 gallon of fuel burned
	VOC	49.3	lb/1000 gallon of fuel burned



State of Oregon  
Department of  
Environmental  
Quality

Generator(s) (natural gas, propane, and butane - fired)	PM/PM <sub>10</sub> / PM <sub>2.5</sub>	10	lb/million cubic feet of NG burned
	SO <sub>2</sub>	0.6	lb/million cubic feet of NG burned
	NO <sub>x</sub>	2840	lb/million cubic feet of NG burned
	CO	399	lb/million cubic feet of NG burned
	VOC	116	lb/million cubic feet of NG burned

- 5.4 Medford/Ashland AQMA** If the source operates in the Medford/Ashland AQMA, the permittee must also maintain records of the daily rock crushed and calculate the daily maximum emissions for the reporting period.

## 6.0 RECORDKEEPING REQUIREMENTS

- 6.1 Operation and Maintenance** The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices:
- a. Crushed rock produced in Oregon on a monthly basis for each site of operation (tons);
  - b. Crushed rock produced in PM<sub>10</sub> nonattainment areas in Oregon on a daily basis for each site of operation;
  - c. Types and quantities of fuel combusted in Oregon on a monthly basis for each site of operation (gallons or cubic feet);
  - d. Types and quantities of fuels combusted in PM<sub>10</sub> nonattainment areas in Oregon on a daily basis for each site of operation (gallons or cubic feet);
  - e. Sulfur content from vendor certification of each shipment of fuel oil, if used at the plant; and
  - f. If used oil is used, the permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment or batch of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.





State of Oregon  
Department of  
Environmental  
Quality

Permit Number: AQGP-008

Expiration Date: 10/01/2027

Page 9 of 15 Pages

- 6.2 Excess Emissions** The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance.
- 6.3 Complaint Log** The permittee must maintain a log of all written and verbal complaints received that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.
- 6.4 Retention of Records** Unless otherwise specified, the permittee must retain all records for a period of five (5) years from the date of the monitoring sample, measurement, report, or application and make them available to DEQ upon request. The permittee must maintain the two (2) most recent years of records onsite or available electronically.

## **7.0 REPORTING REQUIREMENTS**

- 7.1 Excess Emissions** The permittee must notify DEQ by telephone or in person of any excess emissions which are of a nature that could endanger public health.
- a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 8.3.
  - b. If the excess emissions occur during non-business hours, the permittee must notify DEQ by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.
  - c. The permittee must also submit follow-up reports when required by DEQ.
- 7.2 Annual Report** The permittee must submit to DEQ by **February 15** of each year this permit is in effect, two (2) copies of the following information for the preceding calendar year:
- a. Operating parameters:
    - i. Crushed rock produced in Oregon on an annual basis for each site of operation (reported in tons).



State of Oregon  
Department of  
Environmental  
Quality

Permit Number: AQGP-008

Expiration Date: 10/01/2027

Page 10 of 15 Pages

- ii. Types and quantities of fuels combusted in Oregon on an annual basis for each site of operation (gallons or cubic feet).
      - iii. Maximum daily amount of rock crushed in PM<sub>10</sub> nonattainment areas and Air Quality Maintenance Areas (AQMAs); and
      - iv. Type and maximum daily amount of fuel burned in the generator(s) in PM<sub>10</sub> nonattainment areas.
    - b. Records of all planned and unplanned excess emissions events.
    - c. Summary of complaints relating to air quality received by permittee during the year.
    - d. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
    - e. List major maintenance performed on pollution control equipment.
- 7.3 **Greenhouse Gas Registration and Reporting** If the calendar year emission rate of greenhouse gases (CO<sub>2</sub>e) 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.
- 7.4 **Initial Startup Notice** The permittee must notify DEQ in writing of the date a new facility is started up. The notification must be submitted no later than seven (7) days after startup.
- 7.5 **Relocation Notice** The permittee must not install or operate the facility or any portion of the facility at any new site without first providing written notice to the Permit Coordinator in the appropriate regional office. The written notice must include the date of the proposed move, approximate dates of operation, a detailed map showing access to the new site, and a description of the air pollution controls and procedures to be installed, operated, and practiced at the new site. Additional permits may be required if the permittee operates individual components of the facility at more than one site at a time.
- 7.6 **Notice of Change of Ownership or Company Name** The permittee must notify DEQ in writing using a DEQ “Permit Application Form” within 60 days after the following:
  - a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
  - b. Sale or exchange of the activity or facility.



State of Oregon  
Department of  
Environmental  
Quality

Permit Number: AQGP-008

Expiration Date: 10/01/2027

Page 11 of 15 Pages

**7.7 Construction or Modification Notices**

The permittee must notify DEQ in writing using a DEQ “Notice of Construction Form,” or “Permit Application Form,” and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

- a. Constructing or installing any new source of air contaminant emissions, including air pollution control equipment;
- b. Modifying or altering an existing source that may significantly affect the emission of air contaminants;
- c. Making any physical change which increases emissions; or
- d. Changing the method of operation, the process, or the fuel use, or increasing the normal hours of operation that result in increased emissions.

**7.8 Where to Send Reports and Notices**

Reports and notices, with the permit number prominently displayed, must be sent to the Permit Coordinator for the regional office where the source is located as identified in Condition 8.2. For portable units, reports and notices should be sent to the DEQ Regional Office nearest the company’s Office of record.

**8.0 ADMINISTRATIVE REQUIREMENTS**

**8.1 Reassignment to the General ACDP**

The permittee must complete an application for reassignment to this permit within 60 days after the permit is reissued. DEQ will notify the permittee when the permit is reissued. The application must be sent to the appropriate regional office.

- a. If DEQ is delinquent in renewing the permit, the existing permit will remain in effect and the permittee must comply with the conditions of the permit until such time that the permit is reissued and the source is reassigned to the permit.
- b. The permittee may submit an application for either a Simple or Standard ACDP at any time, but the permittee must continue to comply with the General ACDP until DEQ takes final action on the Simple or Standard ACDP application.
- c. If a complete application for reassignment to the General ACDP or Simple or Standard ACDP is filed with DEQ in a timely manner, the permit will not be deemed to expire until final action has been taken on the application.



State of Oregon  
Department of  
Environmental  
Quality

**8.2 Permit  
Coordinator  
Addresses**

All reports, notices, and applications should be directed to the Permit Coordinator for the area where the source is located. The Permit Coordinator addresses are as follows:

<b>Counties</b>	<b>Permit Coordinator Address and Telephone</b>
Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Northwest Region 700 NE Multnomah Street, Suite 600 Portland, OR 97232 Telephone: (503) 229-5582
Benton, Coos, Curry, Douglas, Jackson, Josephine, Lincoln, Linn, Marion, Polk, and Yamhill	Department of Environmental Quality Western Region 4026 Fairview Industrial Drive Salem, OR 97302 Telephone: (503) 378-8240 ext. 225
Baker, Crook, Deschutes, Gilliam, Grant, Harney, Hood River, Jefferson, Klamath, Lake, Malheur, Morrow, Sherman, Umatilla, Union, Wallowa, Wasco, Wheeler	Department of Environmental Quality Eastern Region 475 NE Bellevue, Suite 110 Bend, OR 97701 Telephone: (541) 388-6146 ext. 223

**8.3 DEQ Contacts**

Information about air quality permits and DEQ’s regulations may be obtained from the DEQ web page at [www.deq.state.or.us](http://www.deq.state.or.us). All inquiries about this permit should be directed to the regional office for the area where the source is located. DEQ’s regional offices are as follows:

<b>Counties</b>	<b>Office Address and Telephone</b>
Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Northwest Region 700 NE Multnomah Street, Suite 600 Portland, OR 97232 Telephone: (503) 229-5696
Benton, Lincoln, Linn, Marion, Polk, and Yamhill	Department of Environmental Quality Salem Office 4026 Fairview Industrial Drive Salem, OR 97302 Telephone: (503) 378-8240
Coos, Curry, and Western Douglas	Department of Environmental Quality Coos Bay Office 381 N Second Street Coos Bay, OR 97420 Telephone: (541) 269-2721



State of Oregon  
Department of  
Environmental  
Quality

Eastern Douglas, Jackson, and Josephine	Department of Environmental Quality Medford Office 221 Stewart Avenue, Suite 201 Medford, OR 97501 Telephone: (541) 776-6010
Crook, Deschutes, Harney, Hood River, Jefferson, Klamath, Lake, Sherman, Wasco, and Wheeler	Department of Environmental Quality Bend Office 475 NE Bellevue, Suite 110 Bend, OR 97701 Telephone: (541) 388-6146
Baker, Gilliam, Grant, Malheur, Morrow, Umatilla, Union, and Wallowa	Department of Environmental Quality Pendleton Office 800 SE Emigrant Avenue, Suite 330 Pendleton, OR 97801 Telephone: (541) 276-4063

## 9.0 FEES

- 9.1 Annual Compliance Fee** The Annual Compliance Determination Fee specified in OAR 340-216-0060 and 340-216-8020, Table 2, Part 2(c) for a Class Two General ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by DEQ regulations, will be mailed prior to the above date.
- 9.2 Change of Ownership or Company Name Fee** The non-technical permit modification fee specified in OAR 340-216-8020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company of a source assigned to this permit.
- 9.3 Where to Submit Fees** Fees must be submitted to:  
 Department of Environmental Quality  
 Financial Services – Revenue Section  
 700 NE Multnomah Street, Suite 600  
 Portland, OR 97232-4100

## 10.0 GENERAL CONDITIONS AND DISCLAIMERS

- 10.1 Other Regulations** In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by DEQ.
- 10.2 Conflicting Conditions** In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.



State of Oregon  
Department of  
Environmental  
Quality

Permit Number: AQGP-008

Expiration Date: 10/01/2027

Page 14 of 15 Pages

- 10.3 Masking of Emissions** The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions 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.
- 10.4 DEQ Access** The permittee must allow DEQ's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
- 10.5 Permit Availability** The permittee must have a copy of the permit available at the facility at all times.
- 10.6 Open Burning** The permittee must not conduct any open burning except as allowed by OAR 340 Division 264.
- 10.7 Asbestos** The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
- 10.8 Property Rights** The issuance of this 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.
- 10.9 Termination, Revocation, or Modification** The Commission may modify or revoke this permit pursuant to OAR 340-216-0060(3) and (4) and 340-216-0082.



State of Oregon  
Department of  
Environmental  
Quality

Permit Number: AQGP-008

Expiration Date: 10/01/2027

Page 15 of 15 Pages

## 11.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	NSR	New Source Review
ASTM	American Society for Testing and Materials	O <sub>2</sub>	Oxygen
AQMA	Air Quality Maintenance Area	OAR	Oregon Administrative Rules
bbbl	barrel (42 gal)	ORS	Oregon Revised Statutes
calendar year	The 12-month period beginning January 1st and ending December 31st	O&M	operation and maintenance
CFR	Code of Federal Regulations	Pb	Lead
CO	carbon monoxide	PCD	pollution control device
date	mm/dd/yy	PM	particulate matter
DEQ	Oregon Department of Environmental Quality	PM <sub>2.5</sub>	particulate matter less than 2.5 microns in size
dscf	dry standard cubic foot	PM <sub>10</sub>	particulate matter less than 10 microns in size
EPA	US Environmental Protection Agency	ppm	part per million
FCAA	Federal Clean Air Act	ppmv	part per million by volume
gal	gallon(s)	PSD	Prevention of Significant Deterioration
GHGs	Greenhouse gasses in CO <sub>2</sub> equivalent	PSEL	Plant Site Emission Limit
gr/dscf	grains per dry standard cubic foot	PTE	Potential to Emit
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	RACT	Reasonably Available Control Technology
ID	identification number	scf	standard cubic foot
I&M	inspection and maintenance	SER	Significant Emission Rate
lb	pound(s)	SERP	Source Emission Reduction Plan
MMBtu	million British thermal units	SIC	Standard Industrial Code
NA	not applicable	SIP	State Implementation Plan
NESHAP	National Emissions Standards for Hazardous Air Pollutants	SO <sub>2</sub>	sulfur dioxide
NO <sub>x</sub>	nitrogen oxides	Special Control Area	as defined in OAR 340-204-0070
NSPS	New Source Performance Standard	VE	visible emissions
		VOC	volatile organic compound
		year	A period consisting of any 12-consecutive calendar months