



SIMPLE AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Eastern Region
475 NE Bellevue Dr., Suite 110
Bend, OR 97701
541-388-6146

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

ISSUED TO:

Chemical Waste Management of the Northwest, Inc.
17629 Cedar Springs Lane
Arlington, OR 97812

INFORMATION RELIED UPON:

Application No.: 28517
Date Received: 02/09/2016

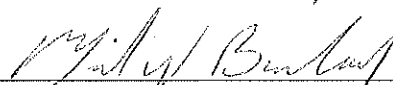
PLANT SITE LOCATION:

17629 Cedar Springs Lane
Arlington, OR 97812

LAND USE COMPATIBILITY FINDING:

Approving Authority: Gilliam County
Approval Date: 10/15/2007

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY



Mark W. Bailey, Eastern Region Air Quality Manager

APR 25 2016

Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-8010):

Table 1 Code	Source Description	SIC
Part B, 85	Hazardous Waste Material Disposal Site	4953

**Simple Technical Permit Modification
Addendum No. 1**

In accordance with OAR 340-216-0020, this permit has been modified.

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1.0 GENERAL EMISSION STANDARDS AND LIMITS

- 1.1. **Visible Emissions** Emissions from any air contaminant source other than fugitive emission sources must not equal or exceed 20% opacity. Opacity must be measured as a six-minute block average using EPA Method 9 or an alternative monitoring method approved by DEQ that is equivalent to EPA Method 9. EPA Method 22 may be used to monitor opacity, but EPA Method 9 must be used to determine compliance with the limit.
- 1.2. **Particulate Matter Emissions** The permittee must comply with the following particulate-matter emission limits, as applicable:
- a. Particulate matter emissions from any fuel burning equipment such as the Organic Recovery Unit (ORU) or the ORU boiler (ME-1902) must not exceed 0.10 grains per dry standard cubic foot, corrected to 12% CO₂ or 50% excess air.
 - b. Particulate matter emissions from any air contaminant source other than fuel burning equipment and fugitive emission sources must not exceed 0.10 grains per standard cubic foot.
 - c. Non-fugitive particulate matter emissions from any process must not exceed the amount shown in Table 1 of OAR 340-226-0310 for the process weight allocated to such a process.
- 1.3. **Fugitive Emissions** The permittee must take reasonable precautions to prevent fugitive dust emissions, as measured by EPA Method 22, by:
- a. Using, where possible, 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;
 - b. Applying water or other suitable chemicals on unpaved roads, materials stockpiles, and other surfaces which can create airborne dusts;
 - c. Enclosing (full or partial) materials stockpiles in cases where application of water or other suitable chemicals are not sufficient to prevent particulate matter from becoming airborne;
 - d. Installing and using hoods, fans and fabric filters to enclose and vent the handling of dusty materials;
 - e. Installing adequate containment during sandblasting or other similar operations;
 - f. Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne;
 - g. Promptly removing earth or other material that does or may become airborne from paved streets; and
 - h. Developing a DEQ approved fugitive emission control plan upon request by DEQ if the above precautions are not adequate and implementing the plan whenever fugitive emissions leave the property for more than 18 seconds in a six-minute period.

- 1.4. 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.
- 1.5. 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.
- 1.6. Fuels and Fuel Sulfur Content**
- a. If the permittee burns any of the fuels listed below, the sulfur content cannot exceed:
 - i. 0.0015% sulfur by weight for ultra low sulfur diesel;
 - ii. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;
 - iii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;
 - b. The permittee is allowed to use on-specification used oil as fuel which 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 of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.
- 1.7. Emergency Stationary RICE** The permittee must comply with the following requirements for emergency stationary reciprocating internal combustion engines (RICE): [40 CFR 63.6603(a), 63.6625(f), 63.6640(a), and 63.6640(f)(2)]
- For each emergency stationary RICE, the permittee must:
- a. Change oil and filter every 500 hours of operation or annually, whichever comes first; [40 CFR 63.6603(a), Table 2d(4)(a)]
 - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; [40 CFR 63.6603(a), Table 2d(4)(b)]
 - 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)]
 - 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]
 - e. 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)]
- 1.8. Operating Conditions for Emergency Stationary RICE** The permittee must operate any emergency stationary RICE in compliance with the following conditions: [40 CFR 63.6640(f)]
- a. There is no time limit on the use of emergency stationary RICE in emergency situations.

- 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 maintenance and testing of such units is limited to 50 hours per year.
- c. The permittee is prohibited from using its emergency stationary RICE for any non-emergency use including but not limited to peak shaving, demand response operation, and/or generation of income from the sale of power. To perform such activity the permittee must first obtain a modified permit in accordance with Condition 7.2 or a separate permit for power generation that appropriately addresses and allows this activity.

**1.9. Operating
Conditions
for
Emergency
Stationary
RICE**

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 used for maintenance checks and readiness testing. [40 CFR 63.6655(f)]

2.0 SPECIFIC PERFORMANCE AND EMISSION STANDARDS

**2.1. Concrete
Crusher
Engine**

If the permittee installs a diesel engine to power a concrete crusher, the engine must comply with the New Source Performance Standards (NSPS) for Compression Ignition Internal Combustion Engines (40 CFR 60, Subpart IIII). This regulation includes the requirement for engines with a maximum engine power greater than or equal to 56 kW and less than 130 kW to meet the applicable requirements for 2012 and later model year non-emergency engines. [40 CFR 60.4208(d)] If a third party is contracted to conduct concrete crushing, the third party may have the applicable requirements in their portable permit.

3.0 PLANT SITE EMISSION LIMITS

- 3.1. **Plant Site Emission Limits (PSEL)** The permittee must not cause or allow plant site emissions to exceed the following:

Pollutant	Limit	Units
PM	24	tons per year
PM ₁₀	14	tons per year
PM _{2.5}	9	tons per year
SO ₂	39	tons per year
NO _x	39	tons per year
CO	99	tons per year
VOC	39	tons per year
GHGs (CO ₂ e)	74,000	tons per year

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

4.0 COMPLIANCE DEMONSTRATION AND SOURCE TESTING

- 4.1. **Monitoring Requirements** The permittee must monitor the operation and maintenance of the organic recovery unit and thermal oxidizer. The temperature of the thermal oxidizer must be continuously monitored and recorded at least every 15 minutes of operation. The operator shall be notified of any flame failure.

- 4.2. **PSEL Compliance Monitoring** The permittee must demonstrate compliance with the PSEL for each 12-consecutive calendar month period based on the following calculation for each pollutant except GHGs:

$$E = \Sigma(EF \times P)/2000 \text{ lbs}$$

Where:

$$\begin{aligned} E &= \text{pollutant emissions (ton/yr);} \\ EF &= \text{pollutant emission factor (see Condition 11.0);} \\ P &= \text{process production (see Condition 12.0)} \end{aligned}$$

- 4.3. **Emission Factors** The permittee must use the default emission factors provided in Condition 11.0 for calculating pollutant emissions, unless alternative emission factors are approved in writing by DEQ. The permittee may request or DEQ may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by DEQ.

5.0 RECORDKEEPING REQUIREMENTS

- 5.1. 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. Amount of propane fed to the thermal oxidizer (TOU-1), gallons.
 - b. Amount of material processed through the stabilization, solidification, micro-encapsulation, macro-encapsulation, and bioremediation units, tons.
 - c. Amount of propane fed to the Organic Recovery Unit (ORU), gallons
 - d. Amount of landfill gas fed to the Organic Recovery Unit (ORU), MMft³.
 - e. Miles traveled on unpaved roads, VMT.
 - f. Amount of cover soil moved, tons.
 - g. Temperature of thermal oxidizer, °F.
 - h. If used oil is used as fuel, 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 the used oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.
- 5.2. 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. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity as a six-minute block average. If there is an ongoing excess emission caused by an upset or breakdown, the permittee must cease operation of the equipment or facility no later than 48 hours after the beginning of the excess emissions, unless continued operation is approved by DEQ in accordance with OAR 340-214-0330(4).
- 5.3. Complaint Log** The permittee must maintain a log of all written complaints and complaints received via telephone 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.
- 5.4. Retention of Records** Unless otherwise specified, the permittee must retain all records for a period of at least 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.

6.0 REPORTING REQUIREMENTS

- 6.1. Excess Emissions** The permittee must notify DEQ of excess emissions events if the excess emission is 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 9.0 by e-mail, telephone, facsimile, or in person.
 - 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.
- 6.2. Annual Report** For each year this permit is in effect, the permittee must submit to DEQ by **February 15** two (2) copies of the following information for the previous calendar year:
- a. Operating parameters:
 - i. Amount of propane burned in the thermal oxidizer each month;
 - ii. Amount of propane and landfill gas burned in the ORU each month;
 - iii. Amount of material processed through the stabilization, solidification, micro-encapsulation, macro-encapsulation, and bioremediation units each month;
 - iv. Estimate the amount of vehicle miles traveled on unpaved roads each month.
 - b. A summary of annual pollutant emissions determined each month in accordance with Condition 4.0.
 - c. Records of all planned and unplanned excess emissions events.
 - d. Summary of complaints relating to air quality received by permittee during the year.
 - e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
 - f. List of major maintenance performed on pollution control equipment.
- 6.3. Greenhouse Gas Registration and Reporting** If the calendar year emission rate of greenhouse gases (CO₂e) is greater than or equal to 2,756 tons (2,500 metric tons), the permittee must register and report its greenhouse gas emissions with DEQ in accordance with OAR 340-215.

- 6.4. **Notice of Change of Ownership or Company Name** The permittee must notify DEQ in writing using a Departmental "Transfer 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.
- 6.5. **Construction or Modification Notices** The permittee must notify DEQ in writing using a Departmental "Notice of Intent to Construct" form, or other permit application forms and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:
- a. Constructing, installing or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;
 - b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
 - c. Constructing or modifying any air pollution control equipment.

7.0 ADMINISTRATIVE REQUIREMENTS

- 7.1. **Permit Renewal Application** The permittee must submit the completed application package for renewal of this permit by October 1, 2018. The permittee must submit two (2) copies of the application to the DEQ Permit Coordinator listed in Condition 9.2.
- 7.2. **Permit Modifications** The permittee must submit an application for a modification of this permit not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of DEQ.

8.0 FEES

- 8.1. **Annual Compliance Fee** The permittee must pay the Annual Fee specified in OAR 340-216-8020, Table 2, Part 2 for a Simple ACDP by **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. **Late fees in accordance with Part 4 of the table will be assessed as appropriate.**
- 8.2. **Change of Ownership or Company Name Fee** The permittee must pay the non-technical permit modification fee specified in OAR 340-216-8020, Table 2, Part 3(a) with an application for changing the ownership or the name of the company.

- 8.3. **Special Activity Fees** The permittee must pay the special activity fees specified in OAR 340-216-8020, Table 2, Part 3 (b through k) with an application to modify the permit.

9.0 DEQ CONTACTS / ADDRESSES

- 9.1. **Business Office** The permittee must submit payments for invoices, applications to modify the permit, and any other payments to DEQ's Business Office:
Department of Environmental Quality
Accounting / Revenue
811 SW Sixth Avenue
Portland, OR 97204-1390
- 9.2. **Permit Coordinator** The permittee must submit all Notices and applications that do not include payment to the Eastern Region's Permit Coordinator:
Eastern Region - Bend Office
475 NE Bellevue Dr., Suite 110
Bend, OR 97701
541-388-6146
- 9.3. **Report Submittals** Unless otherwise notified, the permittee must submit all reports (annual reports, source test plans and reports, etc.) to DEQ's Eastern Region. If you know the name of the Air Quality staff member responsible for your permit, please include it.
Eastern Region -- Bend Office
475 NE Bellevue Dr., Suite 110
Bend, OR 97701
541-388-6146
- 9.4. **Permit Writer/Inspector** The permit writer/inspector can be reached at the following office:
Eastern Region -- Pendleton Office
800 SE Emigrant Avenue, Suite 330
Pendleton, OR 97801-2597
541-276-4063
- 9.5. **Website** Information about air quality permits and DEQ's regulations may be obtained from the DEQ web page at www.oregon.gov/DEQ.

10.0 GENERAL CONDITIONS AND DISCLAIMERS

- 10.1. **Permitted Activities** This permit allows the permittee 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, or is revoked.
- 10.2. **Other Regulations** In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by DEQ.

- 10.3. Conflicting Conditions** In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
- 10.4. 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.
- 10.5. 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.
- 10.6. Permit Availability** The permittee must have a copy of the permit available at the facility at all times.
- 10.7. Open Burning** The permittee may not conduct any open burning except as allowed by OAR 340, division 264.
- 10.8. 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 limited to, demolition, renovation, repair, construction, and maintenance.
- 10.9. 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.
- 10.10. Permit Expiration**
- a. A source may not be operated after the expiration date of the permit, unless any of the following occur prior to the expiration date of the permit:
 - i. A timely and complete application for renewal or for an Oregon Title V Operating Permit has been submitted, or
 - ii. Another type of permit (ACDP or Oregon Title V Operating Permit) has been issued authorizing operation of the source.
 - b. For a source operating under an ACDP or Oregon Title V Operating Permit, a requirement established in an earlier ACDP remains in effect notwithstanding expiration of the ACDP, unless the provision expires by its terms or unless the provision is modified or terminated according to the procedures used to establish the requirement initially.
- 10.11. Permit Termination, Revocation, or Modification** DEQ may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

11.0 EMISSION FACTORS

Emissions Device or Activity	Pollutant	Emission Factor (EF)	EF Units	EF Reference
Thermal Oxidizer (TOU-1)	PM/PM ₁₀ /PM _{2.5}	0.7	lb/Mgal	AP-42 Table 1.5-1
	SO ₂	11.22	lb/Mgal	AP-42 Table 1.5-1
	NO _x	13	lb/Mgal	AP-42 Table 1.5-1
	CO	7.5	lb/Mgal	AP-42 Table 1.5-1
	VOC	1.0	lb/Mgal	AP-42 Table 1.5-1
Organic Recovery Unit (ORU) Propane	PM/PM ₁₀ /PM _{2.5}	0.7	lb/Mgal	AP-42 Table 1.5-1
	SO ₂	11.22	lb/Mgal	AP-42 Table 1.5-1
	NO _x	13	lb/Mgal	AP-42 Table 1.5-1
	CO	7.5	lb/Mgal	AP-42 Table 1.5-1
	VOC	0.8	lb/Mgal	AP-42 Table 1.5-1
Organic Recovery Unit (ORU) Landfill Gas	PM/PM ₁₀ /PM _{2.5}	9.35	lb/MMdscf	AP-42 Table 2.4-5
	SO ₂	49.9	lb/MMdscf	Source Estimate
	NO _x	37.4	lb/MMdscf	AP-42 Table 2.4-4
	CO	170.5	lb/MMdscf	AP-42 Table 13.5-2
	VOC	77	lb/MMdscf	AP-42 Table 13.5-1
ORU Boiler (ME-1902)	PM/PM ₁₀ /PM _{2.5}	0.7	lb/Mgal	AP-42 Table 1.5-1
	SO ₂	11.22	lb/Mgal	AP-42 Table 1.5-1
	NO _x	13	lb/Mgal	AP-42 Table 1.5-1
	CO	7.5	lb/Mgal	AP-42 Table 1.5-1
	VOC	1.0	lb/Mgal	AP-42 Table 1.5-1
Concrete Crusher Engine	PM/PM ₁₀ /PM _{2.5}	2.2E-03	lb/hp-hr	AP-42 Section 3.3
	SO ₂	2.05E-03	lb/hp-hr	AP-42 Section 3.3
	NO _x	3.1E-02	lb/hp-hr	AP-42 Section 3.3
	CO	6.68E-03	lb/hp-hr	AP-42 Section 3.3
	VOC	2.47E-03	lb/hp-hr	AP-42 Section 3.3
Waste Oil Heater	PM	3.3	lb/Mgal	AP-42 Section 11.1
	PM ₁₀ /PM _{2.5}	2.85	lb/Mgal	AP-42 Section 11.1
	SO ₂	214	lb/Mgal	AP-42 Table 1.11-2
	NO _x	16	lb/Mgal	AP-42 Table 1.11-2
	CO	2.1	lb/Mgal	AP-42 Table 1.11-2
	VOC	1.0	lb/Mgal	AP-42 Table 1.11-2

Emissions Device or Activity	Pollutant	Emission Factor (EF)	EF Units	EF Reference
Stabilization	PM	1.36E-04	lb/ton	AP-42 Section 13.2.4
	PM ₁₀	6.45E-05	lb/ton	AP-42 Section 13.2.4
	PM _{2.5}	9.77E-06	lb/ton	AP-42 Section 13.2.4
Solidification	PM	0.12	lb/ton	AP-42 Equation 11.12-1
	PM ₁₀	0.04	lb/ton	AP-42 Equation 11.12-1
	PM _{2.5}	1.29E-05	lb/ton	AP-42 Equation 11.12-1
Micro-Encapsulation	PM	0.143	lb/ton	Source Estimate
	PM ₁₀	0.045	lb/ton	Source Estimate
	PM _{2.5}	0.00001	lb/ton	Source Estimate
Macro-Encapsulation	PM	0.13	lb/ton	Source Estimate
	PM ₁₀	0.0587	lb/ton	Source Estimate
	PM _{2.5}	0.00001	lb/ton	Source Estimate
Unpaved Roads	PM	1.31	lb/VMT	AP-42 Section 13.2.2
	PM ₁₀	0.35	lb/VMT	AP-42 Section 13.2.2
	PM _{2.5}	0.04	lb/VMT	AP-42 Section 13.2.2
Cover Soil	PM	0.118	lb/ton	AP-42 Section 11.9
	PM ₁₀	0.095	lb/ton	AP-42 Section 11.9
	PM _{2.5}	0.034	lb/ton	AP-42 Section 11.9

12.0 PROCESS/PRODUCTION RECORDS

Emissions Device or Activity	Process or Production Parameter	Frequency
Thermal Oxidizer (TOU-1)	1000 Gallons Propane	Monthly
Organic Recovery Unit (ORU)	1000 Gallons Propane MMdscf Landfill Gas	Monthly
ORU Boiler (ME-1902)	1000 Gallons Propane	Monthly
Concrete Crusher Engine	hp-hr	Monthly
Waste Oil Heater	1000 Gallons Waste Oil	Monthly
Stabilization, Solidification, Micro-Encapsulation, Macro- Encapsulation, Cover Soil	Tons Material	Monthly
Travel on Unpaved Roads	VMT	Monthly

13.0 ABBREVIATIONS, ACRONYMS AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	ORS	Oregon Revised Statutes
ASTM	American Society for Testing and Materials	O&M	Operation and Maintenance
CFR	Code of Federal Regulations	Pb	Lead
CO	Carbon Monoxide	PCD	Pollution Control Device
CO ₂ e	Carbon Dioxide Equivalent	PM	Particulate Matter
DEQ	Oregon Department of Environmental Quality	PM ₁₀	Particulate Matter less than 10 microns in size
dscf	dry standard cubic foot	PM _{2.5}	Particulate Matter less than 2.5 microns in size
EPA	US Environmental Protection Agency	ppm	part per million
Gal	Gallon(s)	PSD	Prevention of Significant Deterioration
GHG	Greenhouse Gas	PSEL	Plant Site Emission Limit
gr/dscf	grains per dry standard cubic foot	RACT	Reasonably Available Control Technology
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	scf	standard cubic foot
lb	Pound(s)	SER	Significant Emission Rate
LFG	Landfill Gas	SIC	Standard Industrial Code
MMBtu	Million British thermal units	SIP	State Implementation Plan
NA	Not Applicable	SO ₂	Sulfur Dioxide
NESHAP	National Emissions Standards for Hazardous Air Pollutants	Special Control Area	as defined in OAR 340-204-0070
NO _x	Nitrogen Oxides	VE	Visible Emissions
NSPS	New Source Performance Standard	VMT	Vehicle Mile Traveled
NSR	New Source Review	VOC	Volatile Organic Compound
O ₂	Oxygen	year	A period consisting of any 12-consecutive calendar months
OAR	Oregon Administrative Rules		