

**OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY****SIMPLE****AIR CONTAMINANT DISCHARGE PERMIT**

Northwest Region
700 NE Multnomah St., Suite 600
Portland, OR 97232

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:

NW Metals Inc
930 NW 12th Ave. Ste 524
Portland, OR 97209

INFORMATION RELIED UPON:

Application No.: 031787
Date Received: 02/12/2020

PLANT SITE LOCATION:

NW Metals Inc
9537 North Columbia Boulevard
Portland, OR 97203

LAND USE COMPATIBILITY FINDING:

Approving Authority: City of Portland
Approval Date: 08/07/2020

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Steven A. Dietrich
Steven A. Dietrich (Mar 24, 2021 10:31 PDT)

03/24/2021

Steven A. Dietrich, Northwest Region Air Quality Manager

Dated

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

Table 1 Code	Source Description	SIC/NAICS
Part B, 85	Source which would have actual emissions, if the source were to operate uncontrolled, of 10 or more tons per year of any single criteria pollutant; Motor vehicle parts, used	5015/423140, 5093/423930

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1.0 DEVICE, PROCESS AND POLLUTION CONTROL DEVICE (PCD) IDENTIFICATION

- 1.1. The devices, processes, and pollution control devices regulated by this permit are the following:

Devices and Processes Description	Device ID	Pollution Control Device Description
Volvo Penta 700 hp Compression Ignition Shredder Engine	7600-Engine3	EPA Tier 4f Certified (Selective Catalytic Reduction and Exhaust Gas Recirculation)
Arjes VZ 950 Titan Shredder	7600-Shredder3	N/A
Material Handling	7600-MH	ASR Pile: 3-sided enclosure
Storage Piles	7600-SP	ASR Pile: 3-sided enclosure
Fluid Draining of Automobiles	7600-Drain	N/A

- 1.2. The permittee is prohibited from operating the following devices which are located at the facility:

Devices and Processes Description	Device ID	Pollution Control Device Description
Volvo Penta 768 hp Compression Ignition Shredder Engine	7600-Engine2	EPA Tier 2 Certified
Arjes VZ 950 Titan Shredder	7600-Shredder2	N/A

2.0 GENERAL EMISSION STANDARDS AND LIMITS

2.1. Visible Emissions

- a. The permittee must comply with the following visible emission limits from air contaminant sources other than fugitive emission sources, as applicable.
 - i. Emissions from 7600-Engine3, and 7600-Shredder3 must not equal or exceed 20% opacity. [OAR 340-208-0110(2) and (4)]
 - ii. Any devices or processes installed, constructed, or modified on or after June 1, 1970 must not equal or exceed 20% opacity. [OAR 340-208-0110(4)]
- b. At least weekly, the permittee must conduct a six (6) minute visible emission survey of 7600-Engine3, and 7600-Shredder3 using EPA Method 22. [OAR 340-208-0210]

- i. The permittee must conduct the EPA Method 22 test while the emissions units are operating under normal conditions.
- ii. The person conducting this survey does not have to be EPA Method 9 certified. However, the individual should be familiar with the procedures of EPA Method 9 including using the proper location to observe visible emissions.
- iii. If visible emissions are detected for more than 5% (18 seconds) of the survey time, the permittee must take corrective action to reduce visible emissions.
- iv. No monitoring is required if the entire facility is shut down.
- v. The permittee must record the results of the EPA Method 22 tests and the corrective action taken in a log.

2.2. Fugitive Emissions

- a. The permittee must take reasonable precautions to prevent fugitive dust emissions from leaving the property of a source. Reasonable precautions include, but are not limited to: [OAR 340-208-0210]
 - i. 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;
 - ii. Applying water or other suitable chemicals on unpaved roads, materials stockpiles, and other surfaces which can create airborne dusts;
 - iii. Enclosing (full or partial) materials stockpiles in cases where application of water or other suitable chemicals are not sufficient to prevent particulate matter, including dust, from becoming airborne;
 - iv. Promptly removing earth or other material that does or may become airborne from paved streets;
 - v. Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne; and
 - vi. Implementing the permittee's fugitive dust control plan.
- b. In no case may fugitive dust emissions leave the property of a source for a period or periods totaling more than 18 seconds in a six-minute period. Fugitive emissions must be measured by EPA method 22 weekly along the north, west, south, and east fence lines of the property with the minimum observation time of six minutes at each location.
- c. The permittee must record the results of the EPA Method 22 tests and the corrective action taken in a log.

2.3. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits.

- a. Particulate matter emissions from 7600-Engine3, and 7600-Shredder3 must not exceed 0.10 grains per standard cubic foot. [OAR 340-226-0210(2)(c)]
- b. Non-fugitive particulate matter emissions from processes listed in OAR 340-226-0300 must not exceed the process weight emission standards shown in the Table in OAR 340-226-8010.

- c. Particulate matter emissions from any fuel burning equipment (except solid fuel burning devices that have been certified under OAR 340-262-0500) that is installed, constructed or modified on or after April 16, 2015 must not exceed 0.10 grains per dry standard cubic foot, corrected to 12% CO₂ or 50% excess air. [OAR 340-228-0210(2)(c)]
- d. Particulate matter emissions from any device or process (other than fugitive emissions sources, fuel burning equipment, refuse burning equipment, or solid fuel burning devices certified under OAR 340-262-0500) that is installed, constructed or modified after April 16, 2015 must not exceed 0.10 grains per dry standard cubic foot. [OAR 340-226-0210(2)(c)]

2.4. 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. [OAR 340-208-0450]

2.5. Nuisance and Odors

The permittee must not cause or allow the emission of odorous or other fugitive emissions so as to create nuisance conditions off the permittee's property. Nuisance conditions will be verified by DEQ personnel. [OAR 340-208-0300]

2.6. Complaint Log

The permittee must maintain a log of all complaints received by the permittee in person, in writing, by telephone or through other means that specifically refer to air pollution or odor concerns associated with the permitted facility. Documentation must include: [OAR 340-214-0114]

- a. The date the complaint was received;
- b. The date and time the complaint states the condition was present;
- c. A description of the pollution or odor condition;
- d. The location of the complainant/receptor relative to the plant site;
- e. The status of plant operation or activities during the complaint's stated time of pollution or odor condition; and
- f. A record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

2.7. Fuels and Fuel Sulfur Content

The permittee must not use any fuels other than natural gas, propane, butane, or ultra-low sulfur diesel with no more than 0.0015% sulfur by weight. [OAR 340-228-0110]

3.0 SPECIFIC PERFORMANCE AND EMISSION STANDARDS

3.1. Processing of Incoming Automobiles

- a. The permittee must remove the following fluids from each automobile prior to shredding: [OAR 340-260-0030(1) and 340-226-0110]
 - i. chlorofluorocarbons;
 - ii. Fuel (e.g., gasoline, diesel);
 - iii. Antifreeze;
 - iv. Brake fluid;
 - v. Engine oil;
 - vi. Transmission fluid;
 - vii. Power steering fluid;
 - viii. Differential fluid (if present); and
 - ix. Windshield washer fluid.
- b. The permittee must remove the following items from each automobile prior to shredding: [OAR 340-226-0110]
 - i. Batteries;
 - ii. Mercury Switches; and
 - iii. Lead (e.g., battery connectors, wheel weights)
- c. The permittee must properly store and dispose of all materials removed from automobiles. [OAR 340-260-0030(1) and 340-226-0110]

3.2. Chlorofluorocarbons Removal

- a. The permittee must use only recovery and recycling equipment that is certified by Underwriters Laboratory (UL) as meeting the requirements and specifications of UL1963 and the Society of Automotive Engineers (SAE) Standards, J1990 and J1991, or other requirements and specifications determined by the Department as being equivalent. [OAR 340-260-0030 (3)]
- b. The permittee must operate and maintain all recovery and recycling equipment at full efficiency and effectiveness according to the manufacturer's directions and guidelines contained in SAE Standard J1989. [OAR 340-260-0030 (4)]

3.3. 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.

4.0 OPERATION AND MAINTENANCE REQUIREMENTS

4.1. Operation of Pollution Control Devices and Processes

The permittee must operate and ensure proper functioning of all air pollution control devices, including the 7600-Engine3 SCR Sytem, and components at all times when the associated emission source is operating. [OAR 340-226-0120]

- a. The permittee must ensure the 7600-Engine3 SCR remains in good working order and is operated according to manufacturer's recommendations.
- b. The permittee must not operate 7600-Engine3 at times when there is no DEF.

4.2. Highest and Best Practicable Treatment and Control

The permittee must provide the highest and best practicable treatment and control of air contaminant emissions in every case so as to maintain overall air quality at the highest possible levels, and to maintain contaminant concentrations, visibility reduction, odors, soiling, and other deleterious factors at the lowest possible levels. [OAR 340-226-0100]

- a. The ASR drop from the non-ferrous metal separator must be within a 3-sided enclosure; and
- b. The ASR pile (following the non-ferrous separation) must be within a 3-sided enclosure.

4.3. Scrap Education & Inspection Program

The permittee must implement and document a customer education and incoming scrap metal inspection program to prevent shredding of materials listed in Condition 3.0. [OAR 340-226-0100]

5.0 PLANT SITE EMISSION LIMITS

5.1. Plant Site Emission Limits (PSEL)

The permittee must not cause or allow plant site emissions to exceed the following: [OAR 340-222-0040]

Pollutant	Limit	Units
PM	24	Tons per year
CO	99	
VOC	39	

5.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period. [OAR 340-222-0035]

6.0 SOURCE RISK LIMITS

6.1. Annual Activity

The permittee must limit the shredding operations, including metal shredding, diesel combustion and associated material handling activities, of the facility to 2,265 hours per year. [OAR 340-245-0110]

6.2. Annual Period

The annual source risk limits of Condition 6.1. apply to any 12-consecutive calendar month period. [OAR 340-245-0110(1)(a)]

6.3. Acute Activity

The permittee must limit the shredding operations, including metal shredding, diesel combustion and associated material handling activities, of the facility to 6.6 hours per day. [OAR 340-245-0110]

6.4. Acute Period

The acute source risk limits of Condition 6.3. apply to any 24-consecutive hour period. [OAR 340-245-0110(1)(b)]

6.5. Risk Assessment Revision and Permit Modification

The permittee must submit an application for modification, and may be required to submit a revised risk assessment, pursuant to OAR 340-245-0100(8), if DEQ or the permittee determines that the shredding capacity of 7600-Shredder3 exceed 10 tons per hour as determined by Condition 7.4.

7.0 COMPLIANCE DEMONSTRATION

7.1. Monitoring Requirements

The permittee must monitor the operation and maintenance of the facility and associated air contaminant control devices as follows: [OAR 340-226-0120]

- a. Quantity of material shredded in 7600-Shredder3 (tons);
- b. Hours of operation of 7600-Engine3 from its non-resettable hour meter; and
- c. Quantity of automobiles that gasoline is removed from.

7.2. PSEL Compliance Monitoring using Emission Factors

The permittee must calculate the emissions for each 12-consecutive calendar month period based on the following calculation for each pollutant except GHGs: [OAR 340-222-0080]

$$E = \Sigma(EF \times P) \times 1 \text{ ton}/2000 \text{ pounds}$$

where:

- | | | |
|----------|---|---|
| E | = | pollutant emissions (tons/year); |
| Σ | = | symbol representing "summation of"; |
| EF | = | pollutant emission factor (see Condition 14.0); |
| P | = | process throughput (e.g., tons, hours) |

7.3. Emission Factors

The permittee must use the default emission factors provided in Condition 14.0 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. [OAR 340-222-0080]

7.4. Capacity Source Test

The permittee must perform source testing to determine the maximum capacity of the Arjes VZ 950 Titan Shredder (7600-Shredder3) within 90 days of permit issuance. [OAR 340-212-0120]

8.0 RECORDKEEPING REQUIREMENTS

8.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the facility and associated air contaminant control devices: [OAR 340-214-0114]

- a. Quantity of material shredded (tons) in 7600-Shredder3 for each:
 - i. Month; and
 - ii. 12-consecutive month period.
- b. Hours of operation of 7600-Engine3 for each:
 - i. Hour;
 - ii. 24-consecutive hour period;
 - iii. Month; and
 - iv. 12-consecutive month period.
- c. Quantity of automobiles that gasoline is removed from for each:
 - i. Month; and
 - ii. 12-consecutive month period.
- d. Weekly Visible Emission logs identified in Conditions 2.1.b and 2.2.b.;
- e. Records that all fluids and materials identified in Conditions 3.1.a and 3.1.b are removed from automobiles prior to shredding;
- f. Documentation that chlorofluorocarbon recovery and recycling equipment meets the requirements of Condition 3.2.a.;
- g. Asbestos records in accordance with Condition 3.3;
- h. An inventory of all materials listed in Condition 3.1 that are removed from received automobiles;
- i. Receipts for recycling or disposal for all materials required to be removed in Condition 3.0;
- j. Documentation of customer education and incoming scrap inspection program in accordance with Condition 4.3; and
- k. Purchase records specifying the quantity of fuel and DEF for use in 7600-Engine3.

8.2. Excess Emissions

- a. The permittee must maintain the records of excess emissions listed below and 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.
 - 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;
 - ii. The date and time the permittee notified DEQ of the event;
 - iii. The equipment involved;
 - iv. Whether the event occurred during planned startup, planned shutdown, scheduled maintenance, or as a result of a breakdown, malfunction, or emergency;
 - 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;
 - 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); and

- vii. The final resolution of the cause of the excess emissions;
- b. If there is an ongoing excess emission caused by an upset or breakdown, the permittee must immediately take action to minimize emissions by reducing or ceasing operation of the equipment or facility, unless doing so could result in physical damage to the equipment or facility, or cause injury to employees. In no case may the permittee operate more 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).
- c. In the event of any excess emissions which are of a nature that could endanger public health and occur during non-business hours, weekends, or holidays, the permittee must immediately notify DEQ by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.
- d. The permittee must maintain a log of all excess emissions in accordance with OAR 340-214-0340(3).

8.3. Complaint Log

The permittee must maintain a log of all complaints received by the permittee in person, in writing, by telephone or through other means that specifically refer to air pollution concerns associated to the permitted facility. Documentation must include date of contact, date and time of observed nuisance condition, description of nuisance condition, location of receptor, status of plant operation during the observed period, and date and time of response to complainant. 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. [OAR 340-214-0114]

8.4. 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. [OAR 340-214-0114]

9.0 REPORTING REQUIREMENTS

9.1. Initial Reporting

Within 30 days of permit issuance the permittee must provide DEQ with a dated photograph of the current hour meter reading of 7600-Engine2.

9.2. 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. The permittee must also submit follow-up reports summarizing records of excess emissions as required in Condition 8.2 when required by DEQ.
- b. 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 11.3. by email, telephone, facsimile, or in person.

9.3. Semi-annual Report

For each year this permit is in effect, the permittee must submit to DEQ by **July 31** for the January 1 to June 30 reporting period and by **February 15** for the July 1 to December 31 reporting period a Semi-Annual Compliance Certification (DEQ Form R1002) for the following Conditions: [OAR 340-214-0110 and 340-216-0064(3)(c)]

- a. Condition 3.1.a.;
- b. Condition 3.1.b.;
- c. Condition 3.1.c.;
- d. Condition 3.2.b.; and
- e. Condition 3.3.

9.4. Annual Report

For each year this permit is in effect, the permittee must submit to DEQ by **February 15** two (2) paper copies and one (1) electronic copy of the following information for the previous calendar year:

- a. Operating parameters:
 - i. Quantity of material shredded (tons) in 7600-Shredder3 for each:
 - A. Month; and
 - B. 12-consecutive month period.
 - ii. Hours of operation of and 7600-Engine3 for each:
 - A. Hour;
 - B. 24-consecutive hour period;
 - C. Month; and
 - D. 12-consecutive month period.
 - iii. Quantity of automobiles that gasoline is removed from for each:
 - A. Month; and
 - B. 12-consecutive month period.
- b. The second semi-annual compliance certification.
- c. A dated photograph of the current hour meter reading of 7600-Engine2.

- d. Calculations of annual pollutant emissions determined each month in accordance with Condition 7.2.
- e. A brief summary listing the date, time, and the affected device/process for each excess emission that occurred during the reporting period.
- f. Summary of complaints relating to air quality received by permittee during the year in accordance with Condition 8.3.
- g. Copies of recycling and disposal receipts in accordance with Condition 8.1.h.
- h. Copies of fuel and DEF purchase records for 7600-Engine3 in accordance with Condition 8.1.k.
- i. List permanent changes made in facility process, production levels, and pollution control equipment which affected air contaminant emissions.
- j. List major maintenance performed on emissions units identified in Condition 1.0.

9.5. Greenhouse Gas Registration and Reporting

- a. If the calendar year greenhouse gas emissions (CO₂e) are ever greater than or equal to 2,756 tons (2,500 metric tons), the permittee must annually register and report its greenhouse gas emissions with DEQ in accordance with OAR 340 division 215.
- b. If the calendar year greenhouse gas emissions (CO₂e) are less than 2,756 tons (2,500 metric tons) for three consecutive years, the permittee may stop reporting greenhouse gas emissions but must retain all records used to calculate greenhouse gas emissions for the five years following the last year that they were required to report. The permittee must resume reporting its greenhouse gas emissions if the calendar year greenhouse gas emissions (CO₂e) are greater than or equal to 2,756 tons (2,500 metric tons) in any subsequent calendar year.

9.6. Notice of Change of Ownership or Company Name

The permittee must notify DEQ in writing using a DEQ "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.

9.7. Construction or Modification Notices

The permittee must notify DEQ in writing using a DEQ "Notice of Intent to Construct Form," or other permit application form and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 and OAR 340-245-0060(4)(c) 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.

10.0 ADMINISTRATIVE REQUIREMENTS

10.1. Permit Renewal Application

The permittee must submit the completed application package for renewal of this permit **180 days prior to the expiration date**. Two (2) paper copies and one (1) electronic copy of the application must be submitted to the DEQ Permit Coordinator listed in Condition 11.2. [OAR 340-216-0040]

10.2. Permit Modifications

Application for a modification of this permit must be submitted within 60 days prior to the source modification. When preparing an application, the applicant should also consider submitting the application 180 days prior to allow DEQ adequate time to process the application and issue a permit before it is needed. 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 DEQ Business Office.

10.3. Annual Compliance Fee

The permittee must pay the annual fees specified in OAR 340-216-8020, Table 2, Part 2 and 3 for a Standard ACDP 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. **Late fees in accordance with Part 5 of the table will be assessed as appropriate.**

10.4. 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 4 with an application for changing the ownership or the name of the company.

10.5. Special Activity Fees

The permittee must pay the special activity fees specified in OAR 340-216-8020, Table 2, Part 4 with an application to modify the permit.

11.0 DEQ CONTACTS / ADDRESSES

11.1. Business Office

The permittee must submit payments for invoices, applications to modify the permit, and any other payments to DEQ's Business Office:

Oregon Dept. of Environmental Quality
Financial Services – Revenue Section
700 Multnomah St., Suite 600
Portland, Oregon 97232-4100

11.2. Permit Coordinator

The permittee must submit all notices, reports (annual reports, source test plans and reports, etc.), and applications that do not include payment to the Permit Coordinator.

Oregon Dept. of Environmental Quality
Northwest Region
AQ Permit Coordinator
700 NE Multnomah St., Suite 600
Portland, OR 97232-4100
nwraqpermits@deq.state.or.us

11.3. Report Submittals

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

Oregon Dept. of Environmental Quality
Northwest Region Air Quality
700 NE Multnomah St., Suite 600
Portland, OR 97232-4100

11.4. Web Site

Information about air quality permits and DEQ's regulations may be obtained from the DEQ web page at www.oregon.gov/deq/.

12.0 GENERAL CONDITIONS AND DISCLAIMERS

12.1. Permitted Activities

- a. Until this permit expires or is modified or revoked, the permittee is allowed to discharge air contaminants from the following:
 - i. Processes and activities directly related to or associated with the devices/processes listed in Condition 1.0 of this permit;
 - ii. Any categorically insignificant activities, as defined in OAR 340-200-0020, at the source;
 - iii. Construction or modification changes that are Type 1 or Type 2 changes under OAR 340-210-0225 that are approved by DEQ in accordance with OAR 340-210-0215 through 0250, if the permittee complies with all of the conditions of DEQ's approval to construct and all of the conditions of this permit; and
 - iv. Construction or modification changes that are approved by DEQ in accordance with OAR 340-245-0060(4)(c) and OAR 340-245-0100(8), if the permittee complies with all of the conditions of DEQ's approval to construct and all of the conditions of this permit.
- b. Discharge of air contaminants from any other equipment or activity not identified herein is not authorized by this permit.

12.2. Other Regulations

In addition to the specific requirements listed in this permit, the permittee must comply with all other applicable legal requirements enforceable by DEQ.

12.3. Conflicting Conditions

In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply. [OAR 340-200-0010]

12.4. 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. [OAR 340-208-0400]

12.5. 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.

12.6. Permit Availability

The permittee must have a copy of the permit available at the facility at all times. [OAR 340-216-0020(3)]

12.7. Open Burning

The permittee may not conduct any open burning except as allowed by OAR 340, division 264.

12.8. 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.

12.9. 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: [OAR 340-216-0082]
 - i. A timely and complete application for renewal of this permit or for a different ACDP has been submitted; or
 - ii. A timely and complete application for renewal or for an Oregon Title V Operating Permit has been submitted; or
 - iii. 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.

12.10. Permit Termination, Revocation, or Modification

DEQ may terminate, revoke, or modify this permit pursuant to OAR chapter 340 division 216. [OAR 340-216-0082].

13.0 CLEANER AIR OREGON GENERAL CONDITIONS AND DISCLAIMERS

13.1. Construction or Modification Notices for TEUs

The permittee must notify DEQ in writing using a DEQ "Notice of Intent to Construct Form," or other permit application form and obtain approval in accordance with OAR 340-245-0060(4)(c) before:

- a. Constructing, installing, or establishing any of the following TEUs that will cause an increase in any regulated pollutant emissions;
 - i. Aggregated under OAR 340-245-0060(4)(c)(B); or
 - ii. Significant under OAR 340-245-0060(4)(c)(C);
- b. Making any physical change or change in operation of an existing TEU that will cause any increase in any toxic air contaminant emissions; or
- c. Constructing or making any physical change or change in operation of any air pollution control equipment.

13.2. Reassessment of Risk

The permittee must reassess the source risk for cancer, chronic noncancer, and acute noncancer risk based on any of the following conditions:

- a. Zoning or land use changes in a way that may increase risk [OAR 340-245-0100(8)(a)(F)&(G);
- b. Modification of a physical feature of the source that was used as a modeling parameter in the risk assessment that may increase risk [OAR 340-245-0100(8)(a)(D);
- c. A Risk Based Concentration in OAR 340-245-8040 Table 4 for a Toxic Air Contaminant that is emitted by this source has been added or the value lowered, leading to an increase in risk [OAR 340-245-0100(8)(b)(B)];
- d. Risk assessment procedures in Division 245 change that may increase risk, or impact the implementation or effectiveness of the Risk Reduction Plan [OAR 340-245-0100(8)(b)(C)]; or
- e. When notified in writing by DEQ that the permittee must update or correct its previous risk assessment.

13.3. Permit Modifications

- a. The permittee must apply for a permit modification under OAR 340 Division 216 and submit fees as required under OAR 340-245-0100(8)(g) and Condition 11.1 for the following modifications:
 - i. Modify an established Source Risk Limit or any risk limits or conditions necessary under Division 245;
 - ii. Request an extension to a compliance date as outlined in OAR 340-245-0100(8)(a)(C)(i)-(iii);
 - iii. Terminate postponement of risk reductions [OAR 340-245-0100(8)(a)(E)];
 - iv. Modify air monitoring requirements [OAR 340-245-0100(8)(a)(H)]; or
 - v. Revise or update the approved risk assessment.
- b. If DEQ has provided notice to the permittee that a modification under Division 245 is required, the permittee must submit the necessary information required under OAR 340-245-0100(3) to DEQ 90 days after the date that DEQ sends such written notice.

14.0 EMISSION FACTORS

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF Reference
Automobile Shredding	PM	0.00994	lb/ton material shredded	Compilation of Stack Test Data received by ODEQ
	VOC	0.282		
7600-Engine3 (Shredder #3 Engine)	PM	0.023	lb/hr	USEPA Tier 4f
	CO	3.97		
	VOC	0.22		
Material handling	PM	0.137	lb/ton material shredded	AP-42 13.2.4 Drop Point Equation
Storage Piles	PM	0.135	lb/day	Air Pollution Engineering Manual (1992), Chapter 4, Equation 5: Fugitive Emissions
Gasoline Draining from Automobiles	VOC	0.11	lb/automobile	Derived in Emission Detail Sheet

15.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	NSPS	New Source Performance Standard
ASTM	American Society for Testing and Materials	NSR	New Source Review
AQMA	Air Quality Maintenance Area	O ₂	oxygen
calendar year	The 12-month period beginning January 1st and ending December 31 st	OAR	Oregon Administrative Rules
CAO	Cleaner Air Oregon	ORS	Oregon Revised Statutes
CFR	Code of Federal Regulations	O&M	operation and maintenance
CO	carbon monoxide	Pb	lead
CO ₂	carbon dioxide	PCD	pollution control device
CO _{2e}	carbon dioxide equivalent	PM	particulate matter
DEF	Deisel Emission Fluid	PM ₁₀	particulate matter less than 10 microns in size
DEQ	Oregon Department of Environmental Quality	PM _{2.5}	particulate matter less than 2.5 microns in size
dscf	dry standard cubic foot	ppm	part per million
EF	Emission factor	PSD	Prevention of Significant Deterioration
EPA	US Environmental Protection Agency	PSEL	Plant Site Emission Limit
FCAA	Federal Clean Air Act	PTE	Potential to Emit
Gal	gallon(s)	RACT	Reasonably Available Control Technology
GHG	greenhouse gas	scf	standard cubic foot
gr/dscf	grains per dry standard cubic foot	SER	Significant Emission Rate
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	SIC	Standard Industrial Code
hp	horsepower	SIP	State Implementation Plan
I&M	inspection and maintenance	SO ₂	sulfur dioxide
lb	pound(s)	Special Control Area	as defined in OAR 340-204-0070
MMBtu	million British thermal units	TACT	Typically Achievable Control Technology
N/A	not applicable	VE	visible emissions
NESHAP	National Emissions Standards for Hazardous Air Pollutants	VOC	volatile organic compound
NO _x	nitrogen oxides	year	A period consisting of any 12-consecutive calendar months