



**OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY**

**GENERAL**

**AIR CONTAMINANT DISCHARGE PERMIT**

Department of Environmental Quality  
Air Quality 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 on file with DEQ

December 16, 2019

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Ali Mirzakhali, Air Quality Division Administrator

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Dated

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Clay ceramic manufacturing facilities subject to Part 63, Title 40 of Code of Federal Regulations, Subpart RRRRRR, as adopted under OAR 340-244-0220.

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## **1.0 PERMIT ASSIGNMENT**

### **1.1. Qualifications**

All of the following conditions must be met in order to qualify for assignment to this General Air Contaminant Discharge Permit (ACDP):

- a. The permittee is performing clay ceramic manufacturing activities listed on the cover page of this permit.
- b. The permittee uses 250 tons per year of wet glazes or less; or all wet glazes used contain less than 0.1% clay ceramics metal hazardous air pollutant (chromium, lead, manganese, or nickel).
- c. A Simple or Standard ACDP is not required for the source.
- d. 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 this permit.

### **1.3. Permitted Activities**

Until this permit expires, is modified, or is revoked, the permittee is allowed to discharge air contaminants from processes and activities directly related to or associated with the air contaminant source(s) listed in on the first page of this permit in addition to any categorically insignificant activities, as defined in OAR 340-200-0020, at the source. Discharge of air contaminants from any other equipment or activity not identified herein is not authorized by this permit.

### **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 at any location.

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

### **2.1. Visible Emissions**

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

- a. Visible emissions must not equal or exceed an average of 20 percent opacity.
- b. The visible emission 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).
- c. The visible emission standard in this condition does not apply to fugitive emissions from the source.

## 2.2. Fugitive Emissions

The permittee must comply with the following [OAR 340-208-0210]:

- a. The permittee must take reasonable precautions to prevent particulate matter from becoming airborne from all site operations from which it may be generated. Such reasonable precautions include, but are not limited to:
  - i. Controlling vehicle speeds on unpaved roads;
  - ii. Application of water or other suitable chemicals on unpaved roads, material stockpiles, and other surfaces which can create airborne particulate;
  - 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 street of earth or other material that may become airborne;
  - vi. Alternative precautions approved by DEQ.
- b. The permittee must not allow visible fugitive particulate emissions to leave the permittee's property for a period or periods totaling more than 18 seconds in a six-minute period.
- c. Compliance with the fugitive emissions standard in Condition 2.2.b is determined by EPA Method 22 at the downwind property boundary.
- d. If requested by DEQ, the permittee must develop and implement a fugitive emission control plan to prevent any visible emissions from leaving the property of a source for more than 18 seconds in a six-minute period as determined by 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. [OAR 340-208-0450]

## 2.4. Operation of Pollution Control Devices and Processes

The permittee must operate and maintain air pollution control devices and emission reduction processes at the highest reasonable efficiency and effectiveness to minimize emissions. Air pollution control devices and components must be in operation and functioning properly at all times when the associated emission source is operating. [OAR 340-226-0120]

## 2.5. Nuisance and Odors

The permittee must comply with the following nuisance and nuisance odor requirements, as applicable:

- a. 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]
- b. When operating in Clackamas, Columbia, Multnomah, and Washington Counties, control apparatus and equipment, using the highest and best practicable treatment currently available, must be installed and operated to reduce to a minimum odor-bearing gases or odor-bearing particulate matter emitted into the atmosphere.

## 2.6. Fuels

The permittee must only use natural gas, or equivalent clean-burning fuel, as the kiln fuel; or use an electric-powered kiln. For any other activity using fuels:

- a. The permittee must not use any fuels other than natural gas, propane, butane or any of the ASTM grade fuel oils 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; [OAR 340-228-0110]
  - iii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil; [OAR 340-228-0110]
  - iv. 1.75% sulfur by weight for residual oil; [OAR 340-228-0100]
- 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, to demonstrate that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1. The permittee may not use used oil as fuel that does not meet the used oil specifications in 40 CFR Part 279.11, Table 1. [OAR 340-228-0130]

## 3.0 NESHAP 6R APPLICABILITY

### 3.1. 40 C.F.R. Part 63 Subpart RRRRRR – Clay Ceramics Manufacturing Area Sources

The permittee must comply with all applicable provisions of 40 C.F.R. 63.11435 – 63.11447 for all affected emissions to which this subpart applies by the applicable date in 63.11437. The permittee must also comply with all applicable provisions of 40 C.F.R. Part 63, Subpart A – NESHAP General Provisions. For a full text of the federal standard, please refer to 40 C.F.R. Part 63, Subpart RRRRRR.

NESHAP Subpart RRRRRR is adopted and incorporated by reference in OAR 340-244-0220.

## 4.0 OPERATION AND MAINTENANCE REQUIREMENTS

### 4.1. Glaze Kilns

For each that fires glazed ceramic ware, the permittee must maintain the peak temperature below 2800° F (1540° C); and,

- a. **DAILY:** conduct a daily check of the peak firing temperature and keep records as required by Condition 7.4.f.i.
- b. If the peak temperature exceeds 2800 °F (1540 °C), the permittee must reduce the kiln operating temperature to a maximum 2800 °F within 30-minutes of the exceedance. If the permittee is unable to restore the kiln temperature to 2800 °F or less, the kiln must immediately be shut down until repairs or corrective actions are completed.

### 4.2. Wet Glaze Usage

The permittee must not use more than 250 tons per year of wet glaze unless all wet glazes used on site contain less than 0.1 percent, by weight, of any clay ceramics metal HAP. The permittee must maintain records of all wet glazes used in accordance with Condition 7.4.

### 4.3. Atomized Glaze Spray Booth

The permittee must utilize the following waste minimization practices for each atomized glaze spray booth:

- a. Minimize glaze overspray emissions by using HVLP or equivalent spray equipment. All spray equipment must be designed to operate at 0.1 to 10 pounds per square inch (psi) at the nozzle and use 15 to 30 cubic feet per minute (cfm) of air. This Condition 4.3.a does not apply to spray booths equipped with an air pollution control device operated and maintained in accordance with all applicable requirements of 40 C.F.R. part 63 subpart RRRRRR and this permit.
- b. Minimize HAP emissions during cleanup of spray glazing equipment.
- c. Minimize spills through careful handling of HAP-containing glaze materials.
- d. Operate and maintain spray equipment according to manufacturer's written instructions.
  - i. If manufacturer's written instructions are not available, the permittee must develop an operation and maintenance plan for maintaining spray equipment as part of the Standard Operating Procedures. The operation and maintenance plan must be submitted to DEQ according to the procedures in Condition 7.2 and 7.3.

### 4.4. Startup, Shutdown, and Malfunction Provisions

At all times, including periods of startup, shutdown, and malfunction, the permittee must operate and maintain any affected source, including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

During a period of startup, shutdown, or malfunction, this general duty to minimize emissions requires that the permittee reduce emissions from the source to the greatest extent which is consistent with safety and good air pollution control practices. The general duty to minimize emissions during a period of startup, shutdown, or malfunction does not require the permittee to achieve emission levels that would be required by the applicable standard at other times if this is not consistent with safety and good air pollution control practices, nor does it require the permittee to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved.

Malfunctions must be corrected as soon as practicable after their occurrence. To the extent that an unexpected event arises during a startup, shutdown, or malfunction, the permittee must comply by minimizing emissions during such a startup, shutdown, and malfunction event consistent with safety and good air pollution control practices.

## 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:

Pollutant	Limit	Units
PM	24	tons per year
PM <sub>10</sub>	14	
PM <sub>2.5</sub>	9	
SO <sub>2</sub>	39	

Pollutant	Limit	Units
NO <sub>x</sub>	39	tons per year
CO	99	
VOC	39	
GHGs (CO <sub>2</sub> e)	74,000	
Single HAP	9	
Combined HAPs	24	

### 5.2. PM<sub>10</sub> PSEL for Medford-Ashland AQMA

For sources operating in the Medford-Ashland AQMA, the permittee must not cause or allow plant site emissions of PM<sub>10</sub> to exceed the following:

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

### 5.3. Annual Period

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

## 6.0 COMPLIANCE DEMONSTRATION

### 6.1. Updating Standard Operating Procedures

If the permittee must submit any additional information, as required by Condition 7.2.b, to satisfy the SOP requirements of Condition 7.2, the permittee must submit the information to DEQ within 90 days of either:

- The permittee becoming assigned to this permit; or
- The permittee making any operational changes that affect the accuracy or completeness of an existing SOP.

### 6.2. Air Pollution Control Devices

If any spray booth on site is equipped with an air pollution control device (e.g. wet control system or baghouse), the permittee must inspect and keep records as described in Condition 12.0.

### 6.3. PSEL Compliance Monitoring using Emission Factors

DEQ and the permittee must account for any permit deviations and SSM episodes when determining compliance with all PSELs.

Compliance with the PSEL is determined for each 12-consecutive calendar month period (or daily, as applicable, for sources in the Medford-Ashland AQMA) based on the following calculation for each pollutant, except GHGs:

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

where:

$$E = \text{pollutant emissions (tons/yr);}$$

- $\Sigma$  = symbol representing “summation of”;  
 EF = pollutant emission factor (see Condition 6.4);  
 P = process production (tons of fired product)

#### 6.4. Emission Factors

The permittee must use the default emission factors provided below 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., EPA’s AP-42 compilation of emission factors) that has been reviewed and approved by DEQ. If fuel other than natural gas is used, the permittee must use EPA’s AP-42 compilation of emission factors or DEQ emission factors (AQ-EF series forms) to calculate emissions associated with fuel burning.

Emissions device or activity	Pollutant	Emission Factor (EF)	Emission factor units
Crushing and Screening	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.12	lb/ton of fired product
Dryer	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	2.3	
Cooler	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.11	
Granulation Spray Dryer	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.19	
Kiln – Natural Gas Fired	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.49	lb/ton of fired product
	SO <sub>2</sub>	44 x S*	
	NO <sub>x</sub>	0.54	
	CO	3.3	
	CO <sub>2</sub>	780	
	VOC	0.43	
Refiring – Natural Gas Fired	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.067	lb/ton of fired product
	CO <sub>2</sub>	97	
	HAP	0.019	
Glaze Spray Booth	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	19	lb/ton of fired product
Forming – Tape Casters	VOC	58	lb/ton of formed product

\*Percentage sulfur content of raw materials in decimal form.

Emission factors are from EPA’s AP-42 compilation.

Fuel Type Burned	EF Units	PM	PM10	PM2.5	SO2	NOx	CO	VOC
Natural Gas	lb/million cubic feet	2.5	2.5	2.5	1.7	100	84	5.5

## 6.5. Greenhouse Gas Emissions

The permittee must calculate greenhouse gas emissions to determine compliance with the GHG PSEL and determine reporting requirements by using the DEQ Fuel Combustion Greenhouse Gas Calculator or EPA's emission quantification methodologies as prescribed in 40 C.F.R. Part 98.

DEQ Calculator:

<https://www.oregon.gov/deq/FilterDocs/ghgCalculatorFuelCombust.xlsx>;

EPA Calculator:

<https://ccdsupport.com/confluence/display/help/Optional+Calculation+Spreadsheet+Instructions>

The permittee will be presumed to be under the reporting threshold for GHG of 2,500 metric tons (OAR 340-215-0030) if both of the following are true:

- The permittee's only source of GHG emissions is burning natural gas; and
- Each 12-consecutive calendar month period of natural gas use remains below 41 MMscf (million standard cubic feet).

## 6.6. 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 2.6 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.

# 7.0 RECORDKEEPING REQUIREMENTS

## 7.1. NESHAP Notifications

The permittee must keep a copy of each Initial Notification and each Notification of Compliance Status that is submitted to comply with the Clay Manufacturing NESHAP as described in Condition 8.1, including all documentation supporting both notifications. These records must be retained for as long as the permittee operates a clay ceramics manufacturing facility subject to NESHAP RRRRRR.

## 7.2. Standard Operating Procedures

The permittee must maintain written site specific Standard Operating Procedures (SOP) in the form of manuals, books, descriptive procedures, or equivalent. The SOP must be:

- a. A manufacturer's SOP or manual for all kilns, spray booths, spray equipment, and APCDs on site that describes recommended operational parameters and preventative or routine maintenance procedures. Manufacturer documentation used for SOP compliance must meet at least the requirements of Condition 7.3; or
- b. If the manufacturer's documentation is unavailable or does not meet the requirements of Condition 7.3, the permittee must develop site specific SOP's for all air pollution control devices and process equipment listed in Condition 7.2.a.

## 7.3. Standard Operating Procedures Contents

The SOP required by Condition 7.2 must contain at least the following:

- a. Corrective action process for when kiln temperatures exceed 2800 °F (1540 °C). This must include the requirement in Condition 4.1.b.
- b. Preventative or routine maintenance procedures and schedules for all kilns, spray booths, and spray equipment on site.



- c. Description of all waste minimization practices that are employed on site to demonstrate compliance with applicable requirements of Condition 4.3.
- d. If any Air Pollution Control Devices are on site, the SOP must also contain:
  - i. Operating parameters that indicate proper and effective operation.
  - ii. Corrective action processes for APCD malfunctions.
  - iii. Preventative or routine maintenance procedures and schedule for all APCDs.
  - iv. Inspection procedures as required by Condition 12.0.

#### **7.4. Compliance and Production Records**

The permittee must retain the following records onsite and available to DEQ upon request:

- a. Safety Data Sheets, or other equivalent manufacturer documentation, for all wet glaze used and on site;
- b. Manufacturer documentation of all spray equipment demonstrating compliance with specifications in Condition 4.3.a;
- c. Tons per month (fired or formed, as appropriate) for each emissions device or activity listed in Condition 6.4;
- d. Amount of wet glaze used – tons per month and rolling 12-month totals;
- e. Amount of each ingredient and raw material used for making glaze mixtures, molds, and dies per month; the permittee must specify units (e.g. lbs, kg, or tons).
- f. Amount of natural gas used – (MMscf), or other fuel – monthly;
  - i. Documentation of sulfur content of all fuel oils used on site in accordance with Condition 6.6.
- g. Documentation of daily kiln peak temperature checks required by Condition 4.1. Records must include at least the following for each kiln:
  - i. Date and time;
  - ii. First and last name of the person who conducted the temperature check;
  - iii. Technique or method used (e.g. observation of temperature recorder, etc.);
  - iv. Operating conditions during the activity;
  - v. Results, including any remedial or corrective actions taken.
- h. If any APCDs are used at the facility, the permittee must retain the following records for each APCD:
  - i. Written log of all maintenance and corrective actions performed.
  - ii. Date the maintenance or corrective action began and was completed.
  - iii. Description of why the maintenance or corrective action was conducted (e.g. preventative, malfunction, inspection noted an issue, etc.).

#### **7.5. Complaint Log**

The permittee must maintain a log of all complaints received that specifically refer to air pollution, odor, or nuisance concerns associated to the permitted facility. The permittee must investigate the condition and provide a response to the complainant within 24 hours, if possible.

The log must include at least the following for each complaint or concern received:

- a. Date and time of complaint receipt.
- b. Date and time of response to complainant.

- i. If the complaint is not investigated and responded to within 24 hours, the log must state the reason for the delay, the date, and the time the complaint was investigated and responded to.
- c. A description of the permittee's actions to investigate the facility operations and determine validity of the complaint.
- d. A description of any actions taken in response to the complaint investigation.

## **7.6. 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 each report or record and make them available to DEQ upon request. The permittee must maintain at least the two (2) most recent years of records onsite or otherwise readily available electronically for expeditious review during an on-site inspection.

## **8.0 REPORTING REQUIREMENTS**

### **8.1. NESHAP Notifications**

The permittee must submit the following NESHAP RRRRRR notifications to DEQ as specified in 40 C.F.R. 63.9(h) by the compliance dates listed in 40 C.F.R. 63.11441:

- a. Initial Notification; and
- b. Notification of Compliance Status

NESHAP notifications must be sent to DEQ's Portland office:

Oregon DEQ, ATTN: AQ Operations, 700 NE Multnomah St. Suite 600, Portland, OR 97232.

For most permittees, these notifications only need to be submitted one time. Contact DEQ with any questions.

### **8.2. 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. Tons of product (fired or formed as appropriate) for each emissions device or activity listed in Condition 6.4.
  - ii. Highest peak operating temperature of each kiln;
  - iii. Amount of wet glaze used, in tons;
  - iv. Amount of natural gas used (MMscf) per month and calendar year total; and
  - v. If a fuel other than natural gas is used: the fuel type, amount of fuel used, and units of fuel reported.
- b. Equipment information:
  - i. Number of kilns on site;
  - ii. Number of spray booths on site; and
  - iii. If any APCDs are on site: an equipment identification number for each, brief description of each device, and which emission units are being controlled by each APCD.
- c. Summary of complaints relating to air quality received by permittee during the year.
- d. A description, or negative declaration, of any permit deviations or malfunctions that had potential to cause an increase in emissions.
- e. List of changes made in plant processes, production levels, equipment changes,

materials used, and pollution control equipment. Identify which changes affected air contaminant emissions.

- f. List major maintenance performed on pollution control equipment.

### **8.3. 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 the permittee becomes aware of the problem. Notice must be made to the regional office identified in Condition 0.
- 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.

### **8.4. Greenhouse Gas Registration and Reporting**

- a. If the calendar year greenhouse gas emissions (CO<sub>2</sub>e) 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 (CO<sub>2</sub>e) 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 in accordance with OAR 340 division 215 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 (CO<sub>2</sub>e) are greater than or equal to 2,756 tons (2,500 metric tons) in any subsequent calendar year.

### **8.5. 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 any of 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; or

### **8.6. 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 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.

### 8.7. Where to Send Reports and Notices

Reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 9.3 unless otherwise specified.

## 9.0 ADMINISTRATIVE REQUIREMENTS

### 9.1. Employee Commute Options Program

Sources located inside the Portland Air Quality Maintenance Area (AQMA) with more than 100 employees at a work site must comply with the Employee Commute Options Program requirements located in OAR 340-242-0020 through 340-242-0390.

For forms (Fact Sheet, Registration, or Survey Guidance documents) or questions regarding ECO, please contact the ECO program directly at 503-229-6154 or [ECO@deq.state.or.us](mailto:ECO@deq.state.or.us).

Additional information is available from DEQ's website for the ECO program located here: <https://www.oregon.gov/deq/air/programs/Pages/ECO.aspx>

### 9.2. Reassignment to the General ACDP

A permittee that wishes to continue assignment to this General ACDP must submit to DEQ an application for reassignment.

- a. The application must be received by DEQ within 30 days prior to the expiration date listed on this permit.
- b. The application must be sent to the appropriate regional office identified in Condition 9.3.
- c. 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.

### 9.3. 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:

Counties	Permit Coordinator Address and Telephone
Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Northwest Region 700 NE Multnomah St., Suite 600 Portland, OR 97232 Telephone: (503) 229-5696
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
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 Dr., Suite 110 Bend, OR 97701 Telephone: (541) 388-6146

#### 9.4. DEQ Contacts

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

Counties	Office Address and Telephone
Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Portland Office 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
Eastern Douglas, Jackson, and Josephine	Department of Environmental Quality Medford Office 221 W Stewart Ave., 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 Dr., 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

## 10.0 FEES

### 10.1. Annual Compliance Fee

The annual fees specified in OAR 340-216-8020, Table 2, are due on or by **December 1** of each year this permit is in effect. Invoices 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.**

### 10.2. Change of Ownership or Company Name Fee

The Non-Technical Permit Modification specific activity fee specified in OAR 340-216-8020, Table 2, Part 4 is due with an application for changing the ownership or the name of the company of a source assigned to this permit. Forms that require fees must be sent together to the address in Condition 10.3.

### **10.3. Where to Submit Fees**

Fees, with a permit number prominently displayed, must be submitted to:

Department of Environmental Quality  
Accounting/Revenue  
700 NE Multnomah St., Suite 600  
Portland, Oregon 97232

## **11.0 GENERAL CONDITIONS AND DISCLAIMERS**

### **11.1. 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.

### **11.2. Conflicting Conditions**

In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.

### **11.3. 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. [OAR 340-208-0400]

### **11.4. 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.

### **11.5. Permit Availability**

The permittee must have a copy of the permit available at the facility at all times.

### **11.6. Open Burning**

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

### **11.7. 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 limited to, demolition, renovation, repair, construction, and maintenance.

### **11.8. 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.

### **11.9. Termination, Revocation, Rescission, or Modification**

DEQ may modify or revoke this permit as authorized under OAR chapter 340 division 216.

## 12.0 AIR POLLUTION CONTROL DEVICES

### 12.1. Wet Control System

For each spray booth equipped with a wet control system APCD, the permittee must operate and maintain the APCD in accordance with a SOP that meets the requirements of Condition 7.2 and 7.3. If a wet control system APCD is used on site, the permittee must also comply with the following:

- a. **Conduct an initial inspection** of the APCD as follows:
  - i. Verify water flow to the control equipment. Visually inspect duct work and equipment for leaks and inspect the interior of the control equipment (if applicable) for structural integrity and the condition of the control system.
  - ii. Verify APCD is operating within the operating parameters established in the SOP.
  - iii. If an annual inspection has been conducted within the past 12 months that meets the requirements of Condition 12.1.b.iii, the permittee need only continue with the inspection requirements established in Condition 12.1.b.
- b. **Conduct periodic inspections** as follows:
  - i. **Daily:** verify the presence of water flow to the system. Verify APCD is operating within the operating parameters established in the SOP.
  - ii. **Weekly:** visual inspection of system ductwork and control equipment for leaks.
  - iii. **Annually:** inspect the interior of the wet control system to determine the structural integrity and condition of the control equipment.

### 12.2. Baghouse Control System

For each spray booth equipped with a baghouse APCD, the permittee must operate and maintain the APCD in accordance with a SOP that meets the requirements of Condition 7.2 and 7.3. If a baghouse APCD is used on site, the permittee must also comply with the following:

- a. **Conduct an initial inspection** of the APCD as follows:
  - i. Visually inspect the system ductwork and baghouse unit for leaks. Inspect the inside of each baghouse for structural integrity and fabric filter condition.
  - ii. Verify APCD is operating within the operating parameters established in the SOP.
  - iii. If an annual inspection has been conducted within the past 12 months that meets the requirements of Condition 12.2.b.ii **Error! Reference source not found.**, the permittee need only continue with the inspection requirements established in Condition 12.2.b.
- b. **Conduct periodic inspections** as follows:
  - i. **Weekly:** visually inspect the system ductwork for leaks. Verify APCD is operating within the operating parameters established in the SOP.
  - ii. **Annually:** inspect the interior of the baghouse for structural integrity and to determine the condition of the fabric filter(s).

### 12.3. Recordkeeping

For each spray booth equipped with an APCD, the permittee must retain the following records in addition to all other records required by this permit:

- a. Maintain records of all inspections conducted in accordance with Condition 12.0. Inspection records must include at least the following information:

- i. Identification of the specific equipment that was inspected (e.g. equipment ID or other unique identifier);
- ii. Date and time the inspection occurred;
- iii. First and last name of the person who conducted the inspection;
- iv. Operating conditions during the inspection;
- v. Results, determinations, and a description of any actions taken in response to the inspection results.

### 13.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	HVLP	High volume low pressure
APCD	Air Pollution Control Device	I&M	inspection and maintenance
AQGP	Air Quality General Permit	lb	pound(s)
ASTM	American Society for Testing and Materials	MMBtu	million British thermal units
AQMA	Air Quality Maintenance Area	MMcf	Million cubic feet
°C	Celsius	NA	not applicable
calendar year	The 12-month period beginning January 1st and ending December 31 <sup>st</sup>	NAICS	North American Industry Classification System
CAO	Cleaner Air Oregon	NESHAP	National Emissions Standards for Hazardous Air Pollutants
cfm	Cubic feet per minute	NO <sub>x</sub>	nitrogen oxides
CFR	Code of Federal Regulations	NSPS	New Source Performance Standard
Clay ceramics metal HAP	Chromium, lead, manganese, or nickel	NSR	New Source Review
CO	carbon monoxide	O <sub>2</sub>	oxygen
CO <sub>2e</sub>	carbon dioxide equivalent	OAR	Oregon Administrative Rules
DEQ	Oregon Department of Environmental Quality	ORS	Oregon Revised Statutes
dscf	dry standard cubic foot	O&M	operation and maintenance
ECO	Employee Commute Options	Pb	lead
EPA	US Environmental Protection Agency	PCD	pollution control device
°F	Fahrenheit	PM	particulate matter
FCAA	Federal Clean Air Act	PM <sub>10</sub>	particulate matter less than 10 microns in size
Gal	gallon(s)	PM <sub>2.5</sub>	particulate matter less than 2.5 microns in size
GHG	greenhouse gas	ppm	part per million
gr/dscf	grains per dry standard cubic foot	PSD	Prevention of Significant Deterioration
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	PSEL	Plant Site Emission Limit
		psi	pounds per square inch
		PTE	Potential to Emit
		RACT	Reasonably Available Control Technology



scf	standard cubic foot	SSM	Startup, Shutdown, and Malfunction
SER	Significant Emission Rate		
SIC	Standard Industrial Code	TACT	Typically Achievable Control Technology
SIP	State Implementation Plan		
SO <sub>2</sub>	sulfur dioxide	VE	visible emissions
SOP	Standard Operating Procedures	VOC	volatile organic compound
Special Control Area	as defined in OAR 340-204-0070	year	A period consisting of any 12-consecutive calendar months

DRD: 10/7/2019

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