



**OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY**

**GENERAL**

**AIR CONTAMINANT DISCHARGE PERMIT**

Air Quality Division  
Air Operations Section  
700 NE Multnomah St., Suite 600  
Portland, Oregon 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  
Ali Mirzakhali, Air Quality Division Administrator

April 16, 2020  
Dated

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Dry cleaners using perchloroethylene subject to 40 C.F.R. part 63 subpart M as adopted under OAR chapter 340 division 244.

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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:

- a. The permittee is performing perchloroethylene dry cleaning as listed on the cover page of this permit, including supporting activities;
- b. The permittee is not performing perchloroethylene dry cleaning located in a building with a residence;
- c. The permittee is not subject to 40 C.F.R. part 60 subpart JJJ for petroleum dry cleaners;
- d. A Simple or Standard ACDP is not required for the source; and
- e. The source is not having ongoing, reoccurring 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 qualifications in Condition 1.1 above, conditions of OAR 340-216-0060, or the Conditions 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 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, or 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 responsibility to obtain local land use approvals as, or where, applicable before operating this facility at any location.

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

### **2.1. Nuisance and Odors**

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

- a. May 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. [OAR 340-208-0550]

### **2.2. 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]

### **3.0 NESHAP M APPLICABILITY**

#### **3.1. 40 C.F.R. Part 63 Subpart M – Perchloroethylene Air Emission Standards for Dry Cleaning Facilities**

The permittee must comply with all applicable provisions of 40 C.F.R. §63.320 – §63.326 for all affected emissions to which this subpart applies by the applicable date(s) in 40 C.F.R. §63.320.

NESHAP subpart M is adopted and incorporated by reference in OAR chapter 340 division 244, excluding the exemptions listed in 40 C.F.R. §63.320(d) and (e).

#### **3.2. Oregon Administrative Rules chapter 340 division 124 – Standards Applicable to Dry Cleaning Facilities and Dry Stores**

The permittee must comply with all applicable provisions of OAR chapter 340 division 124.

### **4.0 OPERATION AND MAINTENANCE REQUIREMENTS**

#### **4.1. Work Practices**

The permittee must:

- a. **Operate and maintain** the dry cleaning system according to the manufacturer's specifications and recommendations;
- b. **Close the door** of each dry cleaning machine immediately after transferring articles to or from the machine, and must keep the door closed at all other times;
- c. **Drain all cartridge filters** in their housing or other sealed container, for a minimum of 24 hours, or must treat such filters in an equivalent manner, before removal from the dry cleaning facility; and
- d. **Store all perchloroethylene and wastes** that contain perchloroethylene in solvent tanks or solvent containers with no perceptible leaks. Containers for separator water must be covered except to empty the container.

#### **4.2. Refrigerated Condenser**

The permittee must route the air-perchloroethylene stream contained within each dry cleaning machine through a refrigerated condenser or an equivalent control device.

- a. **While the dry cleaning machine drum is rotating:** The refrigerated condenser must be operated to not vent or release the air-perchloroethylene stream contained within the dry cleaning machine to the atmosphere; and
- b. **When the door of the machine is open:** The refrigerated condenser must prevent air drawn into the dry cleaning machine from passing through the refrigerated condenser.

#### **4.3. Carbon Adsorber**

For each dry cleaning system purchased after December 21, 2005, the permittee must route the air-perchloroethylene stream from inside the dry cleaning machine drum through a non-vented carbon adsorber or equivalent control device immediately before the door of the dry cleaning machine is opened. The carbon adsorber must be desorbed in accordance with manufacturer's instructions.

#### 4.4. Weekly Leak Detection

The permittee must inspect the following components weekly for vapor leaks while the dry cleaning system is operating. The inspection must use a halogenated hydrocarbon detector or perchloroethylene gas analyzer that is operated according to the manufacturer's instructions.

The operator must place the probe inlet at the surface of each component interface where leakage could occur and move it slowly along the interface surface.

- a. Hose and pipe connections, fittings, couplings, and valves;
- b. Door gaskets and seatings;
- c. Filter gaskets and seatings;
- d. Pumps;
- e. Solvent tanks and containers;
- f. Water separators;
- g. Muck cookers;
- h. Stills;
- i. Exhaust dampers;
- j. Diverter valves; and
- k. All filter housings.

#### 4.5. Leak Repair

The permittee must:

- a. Repair all leaks within 24 hours of detection;
  - i. If repair parts or service must be ordered, either a written or a verbal order for those parts or service must be initiated within two (2) working days of detecting such a leak. Such repair parts must be installed within five (5) working days after receipt.
- b. Upon detecting a leak, the permittee must initiate repairs in accordance with Condition 4.5.a before the machine is used in any further perchloroethylene service.

#### 4.6. Equipment Repair

If the refrigerated system high pressure and low pressure are not in the range specified in the manufacturer's operating instructions or the outlet temperature does not meet the values specified in Condition 6.1, adjustments or repairs must be made to the dry cleaning system or refrigerated condenser to meet those values within two (2) working days of detection. If repair parts or services must be ordered, either a written or verbal order for such parts or services must be initiated within two (2) working days of detecting such a parameter value. Such repair parts or services must be installed or completed within five (5) working days after receipt.

#### 4.7. O&M Plan

While operating in the Medford-Ashland AQMA, the permittee must prepare and implement an operation and maintenance (O&M) plan in accordance with OAR 340-240-0190.

## 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
Single HAP	9	tons per year

### 5.2. Annual Period

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

### 5.3. Perchloroethylene Limit

The permittee must not purchase more than 1,700 gallons of perchloroethylene in any 12-consecutive calendar month period.

## 6.0 COMPLIANCE DEMONSTRATION

### 6.1. Refrigerated condenser temperature monitoring

The permittee must measure the parameters in either Condition 6.1.a or 6.1.b on a weekly basis:

- a. The gas-vapor stream temperature on the outlet side of the refrigerated condenser using a temperature sensor.
  - i. The temperature must be measured before the end of the cool-down or drying cycle and while the gas-vapor steam is flowing through the condenser.
  - ii. The temperature sensor must be used according to the manufacturer's instructions and must be designed to measure a temperature of 7.2°C (45°F) to an accuracy of  $\pm 1.1^\circ\text{C}$  ( $\pm 2^\circ\text{F}$ ).
  - iii. The refrigerated condenser is operating correctly if the measured temperature is equal to or less than 7.2°C (45°F).
- b. The refrigeration system high pressure and low pressure during the drying phase to determine if they are in the range specified in the manufacturer's operating instructions.

## 7.0 RECORDKEEPING REQUIREMENTS

### 7.1. Recordkeeping Logs

The permittee must keep the following records. The Oregon Dry Cleaner Compliance Calendar or other equivalent recordkeeping log must be used for this purpose.

- a. Volume of perchloroethylene purchased each month (in gallons) as recorded from perchloroethylene purchases; if no perchloroethylene is purchased during a given month then zero gallons must be entered into the log;
- b. The dates when the dry cleaning system components are inspected for leaks, as specified in Conditions 4.4, and the name or location of dry cleaning system components where leaks are detected;
- c. The dates of repair and records of written or verbal orders for repair parts to demonstrate compliance with Conditions 4.5 and 4.6;
- d. The date and temperature sensor monitoring results, if applicable, as specified in Condition 6.1.a; and
- e. The date and high pressure and low pressure results, if applicable, as specified in Condition 6.1.b.

- f. The company name and phone number of a service provider that is used for parts acquisition, machine service, or both.

## **7.2. Complaint Log**

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

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

- a. The date the complaint was received;
- b. The date and time the complaint states the condition was present;
- c. A description of the complaint;
- d. The location of the complainant or receptor relative to the plant site;
- e. The status of plant operations and activities during the complaint's stated time of pollution or odor condition;
- f. A description of the permittee's actions to investigate the validity of the complaint; and
- g. A description of any actions taken in response to the complaint investigation.

## **7.3. Operating Manuals**

The permittee must retain onsite a copy of the design specifications and the operating manuals for each dry cleaning system and each emission control device located at the dry cleaning facility.

## **7.4. Retention of Records**

Unless otherwise specified, the permittee must retain all records for a period of at least five (5) years and make them available to DEQ upon request. The permittee must maintain all records onsite or otherwise readily available electronically for expeditious review during an on-site inspection.

# **8.0 REPORTING REQUIREMENTS**

## **8.1. Annual Report**

The permittee must submit to DEQ by **March 1** of each year this permit is in effect, the following information for the preceding calendar year:

- a. A copy of one-month of logs required in Condition 7.1;
- b. A statement indicating whether or not the permittee is in compliance with each applicable requirement of this permit;
- c. A statement indicating whether all information contained in the annual report is accurate and true; and
- d. A summary of air quality related complaints received by the permittee.
- e. The company name and phone number of a service provider that is used for parts acquisition, machine service, or both.

## **8.2. Initial Startup Notice**

The permittee must notify DEQ in writing of the date a new facility is started up. The notification must be submitted no later than seven (7) days after startup.

## **8.3. NESHAP subpart M Notifications**

A new permittee must submit the Notification of Compliance Status to DEQ as required by 40 C.F.R. subpart M, §63.324(b).

**8.4. Notice of Change of Ownership or Company Name**

The permittee must notify DEQ in writing using a DEQ “Permit Application Form” within 60 days after the following:

- a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
- b. Sale or exchange of the activity or facility.

**8.5. Construction or Modification Notices**

The permittee must notify DEQ in writing using a DEQ “Change of Dry Cleaning Activity Form” and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

- a. Constructing or installing a dry cleaning system;
- b. Modifying or altering an existing dry cleaning system that may significantly affect air emissions;
- c. Making a physical change to a dry cleaning system which increases air emissions; or
- d. Changing the method of operation of a dry cleaning system.

**8.6. Where to Send Reports and Notices**

Reports and notices must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 9.2.

**9.0 ADMINISTRATIVE REQUIREMENTS**

**9.1. Reassignment to the General Permit**

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

- a. The application must be received by DEQ at least 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 9.2; and
- c. The permittee may submit an application for either a Simple or Standard ACDP at any time, but the time permittee must continue to comply with the General ACDP until DEQ takes final action on the Simple or Standard ACDP application.

**9.2. Permit Coordinator Addresses**

All reports, notices, and applications must 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
Statewide	Once DEQ’s online portal Environmental Data Management System, ‘Your DEQ Online’ is available for this permit, the permittee will be directed to submit any reports, notices, applications, or fees required by this permit within the online system or through the addresses and information provided at that time. Until the online portal is available for this permit, the permittee must use the addresses and information identified below.

Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Northwest Region 700 NE Multnomah St., Suite 600 Portland, OR 97232-4100 Telephone: (503) 229-5582 <a href="mailto:NWRaqPermits@deq.state.or.us">NWRaqPermits@deq.state.or.us</a>
Benton, Coos, Curry, Douglas, Jackson, Josephine, Lincoln, Linn, Marion, Polk, and Yamhill	Department of Environmental Quality Western Region 4026 Fairview Industrial Drive Salem, OR 97302 Telephone: (503) 378-8240 ext. 225 <a href="mailto:WRaqPermits@deq.state.or.us">WRaqPermits@deq.state.or.us</a>
Baker, Crook, Deschutes, Gilliam, Grant, Harney, Hood River, Jefferson, Klamath, Lake, Malheur, Morrow, Sherman, Umatilla, Union, Wallowa, Wasco, Wheeler	Department of Environmental Quality Eastern Region 475 NE Bellevue, Suite 110 Bend, OR 97701 Telephone: (541) 388-6146 ext. 223 <a href="mailto:ERaqPermits@deq.state.or.us">ERaqPermits@deq.state.or.us</a>

To request technical assistance with applicable requirements, please contact DEQ's 'Air Quality Business Assistance Program' at (503) 229-5696 or

<https://www.oregon.gov/deq/air/aqPermits/Pages/BAP.aspx>

## 10.0 FEES

### 10.1. Annual Compliance Fee

The permittee must pay the annual fees specified in OAR 340-216-8020, Table 2, by **March 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 permittee must pay the non-technical permit modification 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 assigned to this permit.

### 10.3. Where to Submit Fees

The permittee must submit payments for invoices, applications that are accompanied by fees, and any other payments to DEQ's Business Office:

Department of Environmental Quality  
Financial Services – Revenue Section  
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.

**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 limit 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 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS**

ACDP	Air Contaminant Discharge Permit	°F	Fahrenheit
AQMA	Air Quality Maintenance Area	HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040
°C	Celsius	NESHAP	National Emissions Standards for Hazardous Air Pollutants
calendar year	The 12-month period beginning January 1st and ending December 31 <sup>st</sup>	OAR	Oregon Administrative Rules
C.F.R.	Code of Federal Regulations	O&M	Operation and maintenance
Date	Mm/dd/yy	ORS	Oregon Revised Statutes
DEQ	Oregon Department of Environmental Quality	SIC	Standard Industrial Code
EPA	U.S. Environmental Protection Agency	year	A period consisting of any 12-consecutive calendar months