

## **GENERAL AIR CONTAMINANT DISCHARGE PERMIT**

Department of Environmental Quality  
Air Quality Division  
811 SW Sixth Avenue  
Portland, OR 97204-1390  
Telephone: (503) 229-5359

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 at DEQ Headquarters Office

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Andy Ginsburg, Air Quality Division Administrator

Dated

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<b>Table 1 Code</b>	<b>Source Description</b>	<b>NAICS<sup>1</sup></b>
Part B, 49	Small Metal Fabrication and Finishing Operations; Area sources engaged in one of the following operations: (1) Electrical and Electronic Equipment Finishing Operations; (2) Fabricated Metal Products; (3) Fabricated Plate Work (Boiler Shops); (4) Fabricated Structural Metal Manufacturing; (5) Heating Equipment, except Electric; (6) Industrial Machinery and Equipment Finishing Operations; (7) Iron and Steel Forging; (8) Primary Metal Products Manufacturing; and (9) Valves and Pipe Fittings	332110, 332111, 332112, 332113, 332114, 332115, 332116, 332117, 332118, 332119, 332312, 332313, 332410, 332420, 332618, 332919, 332999, 333120, 333132, 333414, 333911, 335312, 335999

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<sup>1</sup> This table is not intended to be exhaustive, but rather provides a guide for readers regarding entities likely to be effected by this permit.

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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 one or more metal fabrication activities listed on the cover page of this permit, including supporting activities.
  - b. The permittee uses materials that contain or have the potential to emit metal fabrication and finishing HAP (MFHAP). MFHAP are compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead. This corresponds to materials that contain cadmium, chromium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (of the metal), and materials that contain manganese in amounts greater than or equal to 1.0 percent by weight (of the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material.
  - c. The permittee does not perform any of the following operations:
    - i. Dry abrasive blasting performed in a vented enclosure or of objects greater than 8 feet (2.4 meters) in any one dimension that uses materials that contain MFHAP or has the potential to emit MFHAP.
    - ii. Spray-applied painting operation using MFHAP containing paints.
    - iii. Welding operation that uses materials that contain MFHAP or has the potential to emit MFHAP and uses 2,000 pounds or more per year of MFHAP containing welding wire and rod (calculated on a rolling 12-month basis).
  - d. A Simple or Standard ACDP is not required for the source.
  - e. The source is not having ongoing, recurring or serious compliance problems.
- 1.2 Excluded Activities and Operations** This permit does not apply to research or laboratory activities, tool or equipment repair operations, facility maintenance, or quality control activities.
- 1.3 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.
- 1.4 Permitted Activities** The permittee is allowed to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, revoked or rescinded as long as conditions of this permit are complied with. If there are other emissions activities occurring at the site besides those listed on the cover page of this permit, the permittee may be required to obtain a Simple or Standard ACDP or General ACDP Attachment(s), if applicable.
- 1.5 Relation to Local Land Use Laws** This permit is not valid in Lane County, or at any location where the operation of the permittee's processes, activities, and insignificant activities would be in violation of any local land use or zoning laws. For operation in Lane County, contact Lane Regional Air Protection Agency for any necessary permits at (541) 736-1056. It is the permittee's sole responsibility to obtain local land use approvals as, or where, applicable before operating this facility at any location.

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

- 2.1 Visible Emissions** The permittee must comply with the following visible emission limits, as applicable:
- a. Emissions from any air contaminant source must not equal or exceed 20% opacity for a period aggregating more than 3 minutes in any one hour.
  - b. In Clackamas, Columbia, Multnomah, or Washington Counties, emissions from any air contaminant source other than fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 30 seconds in any one hour.
- 2.2 Fugitive Emissions** The permittee must take reasonable precautions to prevent fugitive dust emissions, such as but not limited to:
- a. Treating vehicular traffic areas of the plant site under the control of the permittee.
  - b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.
  - c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

- 2.3 Particulate Matter Fallout** The permittee must not cause or permit the emission 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. DEQ will verify that the deposition exists and will notify the permittee that the deposition must be controlled.
- 2.4 Nuisance and Odors** The permittee must not 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.

### **3.0 OPERATION AND MAINTENANCE REQUIREMENTS**

- 3.1 NESHAP Compliance Dates** For an existing affected source, the permittee must achieve compliance with the applicable provisions by July 25, 2011. For a new affected source, the permittee must achieve compliance with the applicable provisions upon startup.
- 3.2 Dry Abrasive Blasting Performed in Totally Enclosed and Unvented Blast Chambers** The permittee must implement the following management practices to minimize emissions of MFHAP. These requirements do not apply when abrasive blasting operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP.
- a. The permittee must minimize dust generation during emptying of abrasive blasting enclosures; and
  - b. The permittee must operate all equipment associated with dry abrasive blasting operations according to the manufacturer's instructions.
- 3.3 Machining** The permittee must implement the following management practices to minimize emissions of MFHAP. These requirements do not apply when machining operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.
- a. The permittee must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and
  - b. The permittee must operate all equipment associated with machining according to manufacturer's instructions.
- 3.4 Dry Grinding and Dry Polishing with Machines** The permittee must comply with the following requirements for each dry grinding and dry polishing machine to minimize emissions of MFHAP. These requirements do not apply when dry grinding and dry polishing operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.

- a. The permittee must capture emissions and vent them to a filtration control device. The permittee must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in Condition 4.2.
- b. The permittee must implement management practices to minimize emissions of MFHAP as follows:
  - i. The permittee must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable;
  - ii. The permittee must operate all equipment associated with the operation of dry grinding and dry polishing with machines, including the filtration control device, according to manufacturer's instructions.

### **3.5 Welding**

The permittee must comply with the requirements in Conditions 3.5a and 3.5b for each welding operation that uses materials that contain MFHAP or has the potential to emit MFHAP.

- a. The permittee must operate all equipment, capture, and control devices associated with welding operations according to manufacturer's instructions. The permittee must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the capture and control devices, as specified by the requirements in Condition 4.2.
- b. The permittee must implement one or more of the following management practices to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment.
  - i. Use welding processes with reduced fume generation capabilities (e.g., gas metal arc welding (GMAW)—also called metal inert gas welding (MIG));
  - ii. Use welding process variations (e.g., pulsed current GMAW), which can reduce fume generation rates;
  - iii. Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation;
  - iv. Optimize welding process variables (e.g., electrode diameter, voltage, amperage, welding angle, shield gas flow rate, travel speed) to reduce the amount of

- welding fume generated; and
- v. Use a welding fume capture and control system according to the manufacturer's specifications.

## **4.0 RECORDKEEPING REQUIREMENTS**

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| <b>4.1 General Compliance and Applicability Records</b> | Maintain the following information for each affected source. <ul style="list-style-type: none"><li>a. Each notification and report that is submitted to comply with this permit, and the documentation supporting each notification and report.</li><li>b. Records of the applicability determinations listing equipment included in the affected source, as well as any changes to that and on what date they occurred, must be maintained for 5 years and be made available for inspector review at any time.</li></ul>  |
| <b>4.2 Manufacturer's Specifications</b>                | Maintain a record of the manufacturer's specifications for control devices used to comply with Conditions 3.2 through 3.5.   |
| <b>4.3 Manufacturer's instructions</b>                  | If complying with this permit by operating any equipment according to manufacturer's instruction, the permittee must keep these instructions readily available for inspector review.   |
| <b>4.4 Fuel Usage</b>                                   | The permittee must maintain records demonstrating fuel usage on an annual basis.   |
| <b>4.5 Abrasive Usage</b>                               | The permittee must maintain records demonstrating MFHAP containing abrasive material usage in pounds on an annual basis.   |
| <b>4.6 Welding Rod Usage</b>                            | The permittee must maintain records demonstrating MFHAP containing welding rod and wire usage in pounds on an annual basis.  |
| <b>4.7 Retention of Records</b>                         | The permittee must maintain files of all information required by this permit in a form suitable and readily available for expeditious inspection and review. The files must be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche. |
| <b>4.8 Complaint Log</b>                                | The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for   |

complaint resolution.

## **5.0 REPORTING REQUIREMENTS**

- 5.1 Initial Notification** The permittee must submit an Initial Notification in accordance with 40 CFR 63.11519(a)(1). A form for this purpose is available from DEQ. The notification must be submitted to the appropriate DEQ office and EPA's Region X Office.
- a. For existing sources, this notification must be submitted on or before July 25, 2011;
  - b. For new sources, this notification must be submitted within 120 days after initial startup.
- 5.2 Notification of Compliance Status** The permittee must submit a Notification of Compliance Status in accordance with 40 CFR 63.11519(a)(2). A form for this purpose is available from DEQ. The notification must be submitted to the appropriate DEQ office and EPA's Region X office.
- a. For existing sources, this notification must be submitted on or before November 22, 2011;
  - b. For new sources, this notification must be submitted within 120 days after initial startup.
- 5.3 Annual Certification and Compliance Reports** The permittee must prepare and submit an annual certification and compliance report for each affected source according to the following requirements:
- a. Dates. The permittee must prepare and submit each annual certification and compliance report according to the following dates. Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
    - i. The first annual certification and compliance report must cover the first annual reporting period which begins the day after the compliance date and ends on December 31.
    - ii. Each subsequent annual certification and compliance report must cover the subsequent semiannual reporting period from January 1 through December 31.
    - iii. Each annual certification and compliance report must be prepared and submitted no later than January 31 and kept in a readily-accessible location for inspector review. If an exceedance has occurred during the year, each annual certification and

compliance report must be submitted along with the exceedance reports, and postmarked or delivered no later than January 31.

- b. General requirements. The annual certification and compliance report must contain the following information:
  - i. Company name and address;
  - ii. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report; and
  - iii. Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period ending on December 31. Note that the information reported for the 12 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
- c. Fuel usage. The total fuel usage for the previous calendar year.
- d. Abrasive material usage. The total MFHAP containing abrasive material usage, in pounds, for the previous calendar year.
- e. Welding rod usage. The total MFHAP containing welding rod and wire usage, in pounds, for the previous calendar year.
- f. Abrasive blasting dust generation minimization. A description of measures taken to minimize dust generation during emptying of abrasive blasting enclosures.
- g. Machining excess dust minimization. A description of measures taken to minimize excess dust in the area surrounding machining operations.
- h. Dry grinding and dry polishing machine dust minimization. A description of measures taken to minimize excess dust in the area surrounding dry grinding and dry polishing machines.
- i. Welding emissions minimization. A description of the management practices implement to minimize welding MFHAP emissions.

#### 5.4 Initial Startup Notice

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

- 5.5 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.
- 5.6 Construction or Modification Notices** The permittee must notify DEQ in writing using a DEQ “Notice of Construction Form,” or “Permit Application Form,” and obtain approval before:
- a. Constructing or installing any new source of air contaminant emissions, including air pollution control equipment;
  - b. Modifying or altering an existing source that may significantly affect the emission of air contaminants;
  - c. Making any physical change which increases emissions; or
  - d. Changing the method of operation, the process, or the fuel use, or increasing the normal hours of operation that result in increased emissions.
- 5.7 Where to Send Reports and Notices** Except in Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington Counties, reports and notices, 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 6.2. In Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington Counties, reports and notices, with the permit number prominently displayed, must be sent to the Gresham Office as identified in Condition 6.3.

## **6.0 ADMINISTRATIVE REQUIREMENTS**

- 6.1 Reassignment to the General ACDP** A complete application for reassignment to this permit is due within 60 days after the permit is reissued. DEQ will notify the permittee when the permit is reissued. The application must be sent to the appropriate regional office.
- a. If DEQ is delinquent in renewing the permit, the existing permit will remain in effect and the permittee must comply with the conditions of the permit until such time that the permit is reissued and the source is reassigned to the permit.
  - b. The permittee may submit an application for either a Simple or Standard ACDP at any time, but the permittee must continue to comply with the General ACDP until DEQ takes final action on the Simple or Standard ACDP application.

- c. If a complete application for reassignment to the General ACDP or Simple or Standard ACDP is filed with DEQ in a timely manner, the permit will not be deemed to expire until final action has been taken on the application.

**6.2 Permit Coordinator Addresses**

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

<b>Counties</b>	<b>Permit Coordinator Address and Telephone</b>
Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987 Telephone: (503) 229-5582
Benton, Coos, Curry, Douglas, Jackson, Josephine, Lincoln, Linn, Marion, Polk, and Yamhill	Department of Environmental Quality Western Region 750 Front Street NE, Suite 120 Salem, OR 97301-1039 Telephone: (503) 378-5305
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) 633-2021

**6.3 DEQ Contacts**

Information about air quality permits and the Department’s regulations may be obtained from the DEQ web page at [www.oregon.gov/DEQ](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. The Department’s regional offices are as follows:

<b>Counties</b>	<b>Office Address and Telephone</b>
Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Gresham Office 1550 NW Eastman Parkway, Suite 290 Gresham, OR 97030 Telephone: (503) 667-8414
Benton, Lincoln, Linn, Marion, Polk, and Yamhill	Department of Environmental Quality Salem Office 750 Front Street NE, Suite 120 Salem, OR 97301-1039 Telephone: (503) 378-8240

Coos, Curry, and Western Douglas	Department of Environmental Quality Coos Bay Office 340 N Front Street Coos Bay, OR 97420 Telephone: (541) 269-2721
Eastern Douglas, Jackson, and Josephine	Department of Environmental Quality Medford Office 221 Stewart Avenue, Suite 201 Medford, OR 97501 Telephone: (541) 776-6010
Baker, Crook, Deschutes, Gilliam, Grant, Harney, Hood River, Jefferson, Klamath, Lake, Malheur, Morrow, Sherman, Umatilla, Union, Wallowa, Wasco, and Wheeler	Department of Environmental Quality Bend Office 475 NE Bellevue Dr., Suite 110 Bend, OR 97701 Telephone: (541) 388-6146

## 7.0 FEES

- 7.1 Annual Compliance Fee** The Annual Compliance Determination Fee specified in OAR 340-216-0020, Table 2, Part 2(c)(B) for a Class Four General ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by DEQ regulations, will be mailed prior to the above date.
- 7.2 Change of Ownership or Company Name Fee** The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company of a source assigned to this permit.
- 7.3 Where to Submit Fees** Fees must be submitted to:  
 Department of Environmental Quality  
 Business Office  
 811 SW Sixth Avenue  
 Portland, Oregon 97204-1390

## 8.0 GENERAL CONDITIONS AND DISCLAIMERS

- 8.1 Other Regulations** In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by DEQ.
- 8.2 Conflicting Conditions** In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
- 8.3 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.

- 8.4 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.
- 8.5 Permit Availability** The permittee must have a copy of the permit available at the facility at all times.
- 8.6 Open Burning** The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
- 8.7 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.
- 8.8 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.
- 8.9 Modification or Revocation** The Commission may modify or revoke this permit pursuant to OAR 340-216-0060(3) and (4).

## **9.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS**

ACDP	Air Contaminant Discharge Permit	0040
		Lb pound(s)
calendar year	The 12-month period beginning January 1st and ending December 31st	NESHAP National Emissions Standards for Hazardous Air Pollutants
CFR	Code of Federal Regulations	OAR Oregon Administrative Rules
DEQ	Oregon Department of Environmental Quality	ORS Oregon Revised Statutes
EPA	US Environmental Protection Agency	year A period consisting of any 12-consecutive calendar months
HAP	Hazardous Air Pollutant as defined by OAR 340-244-	