

**GENERAL
 AIR CONTAMINANT DISCHARGE PERMIT ATTACHMENT**

Department of Environmental Quality
 Air Quality Division
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This attachment is issued in accordance with the provisions of ORS 468A.040 and OAR 340-216-0062

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Signed copy on file at DEQ Headquarters Office

Andy Ginsburg, Air Quality Division Administrator Dated

Table 1 Code	Source Description	NAICS¹
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

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

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1.0 ATTACHMENT 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) Attachment:
- a. The permittee is performing one or more metal fabrication activities listed on the cover page of this attachment, 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 attachment 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 attachment 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 attachment.

- 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 attachment until this attachment expires, is modified, revoked or rescinded as long as conditions of this attachment are complied with. If there are other emissions activities occurring at the site besides those listed on the cover page of the permit and this attachment, the permittee may be required to obtain a Simple or Standard ACDP or an additional General ACDP Attachment(s), if applicable.

2.0 OPERATION AND MAINTENANCE REQUIREMENTS

- 2.1 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.
- 2.2 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.
- 2.3 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.
- 2.4 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 3.2.
- 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.

2.5 Welding

The permittee must comply with the requirements in Conditions 2.5a and 2.5b 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 3.2.
- 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.

3.0 RECORDKEEPING REQUIREMENTS

- 3.1 General Compliance and Applicability Records** Maintain the following information for each affected source.
 - a. Each notification and report that is submitted to comply with this attachment, and the documentation supporting each notification and report.
 - 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.
- 3.2 Manufacturer's Specifications** Maintain a record of the manufacturer's specifications for control devices used to comply with Conditions 2.2 through 2.5.
- 3.3 Manufacturer's instructions** 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.
- 3.4 Fuel Usage** The permittee must maintain records demonstrating fuel usage on an annual basis.
- 3.5 Abrasive Usage** The permittee must maintain records demonstrating MFHAP containing abrasive material usage in pounds on an annual basis.
- 3.6 Welding Rod Usage** The permittee must maintain records demonstrating MFHAP containing welding rod and wire usage in pounds on an annual basis.
- 3.7 Retention of Records** The permittee must maintain files of all information required by this attachment 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.

4.0 REPORTING REQUIREMENTS

- 4.1 Initial Notification** The permittee must submit an Initial Notification. 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.
- 4.2 Notification of Compliance Status** The permittee must submit a Notification of Compliance Status. 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.
- 4.3 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.

5.0 ADMINISTRATIVE REQUIREMENTS

- 5.1 Reattachment** A complete application for reassignment to this attachment is due within 60 days after the attachment is reissued. DEQ will notify the permittee when the attachment is reissued. The application must be sent to the appropriate regional office.
- a. If DEQ is delinquent in renewing the attachment, the existing attachment will remain in effect and the permittee must comply with the conditions of the attachment until such time that the attachment is reissued and the source is reassigned to the attachment.
 - 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 attachment until DEQ takes final action on the Simple or Standard ACDP application.
 - c. If a complete application for reassignment to the attachment or Simple or Standard ACDP is filed with DEQ in a timely manner, the attachment will not be deemed to expire until final action has been taken on the application.

6.0 FEES

- 6.1 Annual Compliance Fee** The Annual Compliance Determination Fee specified in OAR 340-216-0062(3)(b) for a General ACDP attachment 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.