



Department of Environmental Quality
Air Quality Program

GENERAL
AIR CONTAMINANT DISCHARGE PERMIT
ASSESSMENT REPORT

METAL FABRICATION AND FINISHING

SOURCE DESCRIPTION AND QUALIFICATION

1. This General Permit is designed to regulate air contaminant emissions from small metal fabrication and finishing facilities subject to the Nine Metal Fabrication and Finishing NESHAP (40 CFR part 63 subpart XXXXXX). The Nine Metal Fabrication and Finishing NESHAP regulates facilities primarily engaged in the following operations that use materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), defined to be the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead.
 - Electrical and Electronic Equipment Finishing Operations;
 - Fabricated Metal Products;
 - Fabricated Plate Work (Boiler Shops);
 - Fabricated Structural Metal Manufacturing;
 - Heating Equipment, except Electric;
 - Industrial Machinery and Equipment Finishing Operations;
 - Iron and Steel Forging;
 - Primary Metal Products Manufacturing; and
 - Valves and Pipe Fittings

2. This General Permit is designed to regulate small metal fabrication and finishing facilities. Specifically those facilities that do not perform any of the following operations:
 - 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;
 - Spray-applied painting operation using MFHAP containing paints; or
 - 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).

3. This General Permit does not apply to:
 - Research or laboratory facilities, as defined in section 112(c)(7) of the Clean Air Act (CAA)
 - Tool or equipment repair operations, facility maintenance, or quality control activities as defined in 40 CFR 63.11522
 - Operations performed on site at installations owned or operated by the Armed Forces of the United States (including the Coast Guard and the National Guard of any such state), the National Aeronautics and Space Administration, or the National Nuclear Security Administration
 - Operations that produce military munitions, as defined in 40 CFR 63.11522, or equipment directly and exclusively used for the purposes of transporting military munitions.
4. Facilities eligible for assignment to this permit have not experienced recurring or serious compliance problems.
5. If this General Permit does not cover all requirements applicable to the facility, the other applicable requirements must be covered by assignment to one or more General Permit Attachments in accordance with OAR 340-216-0062, otherwise the facility must obtain a Simple or Standard Permit.
6. A facility requesting to be assigned to a General Permit Attachment, in accordance with OAR 340-216-0062, for a source category in a higher annual fee class, must be reassigned to the General Permit for the source category in the higher annual fee class.

ASSESSMENT OF EMISSIONS

7. Facilities assigned to this General Permit are sources of volatile organic compound, particulate matter, and hazardous air pollutant emissions. These facilities may also be sources of carbon monoxide, nitrogen oxide and sulfur dioxides emissions.
8. DEQ has assessed the level of emissions from these facilities and determined that facilities assigned to this permit do not have the potential to emit at or above the established levels of concern stated in Tables 2 and 3 of OAR 340-200-0020. However, facilities assigned to this permit will be required to track and report abrasive material, welding rod and wire, and fuel usage. If DEQ determines that facilities assigned to this permit have the potential to emit at or above the established levels of concern, the permit will be revised to ensure that these facilities emit at or below the levels of concern.

SPECIFIC AIR PROGRAM APPLICABILITY

9. Facilities assigned to this General Permit are subject to the general visible emissions standards and nuisance requirements (control of fugitive dust and odors) in OAR Chapter 340, Division 208. The permit contains requirements and limitations to ensure

compliance with these standards.

10. Facilities assigned to this General Permit are subject to 40 CFR part 63 subpart XXXXXX as adopted in OAR 340, Division 244. The permit contains requirements and limitations to ensure compliance with these standards. The following table lists the permit conditions that implement 40 CFR part 63 subpart XXXXXX.

40 CFR		Permit	
63.11514		1.1	Lists affected processes
63.11515		3.1	Compliance dates
63.11516	a	3.2	Dry abrasive blasting standards
	b	3.3	Machining standards
	c	3.4	Dry grinding and dry polishing standards
	d	N/A	Spray painting standards, facilities assigned to AQGP-029 are not subject to these standards
	e	N/A	Reserved
	f	3.5	Welding standards
63.11517		N/A	Visual determination of fugitive emissions, facilities assigned to AQGP-029 are not subject to these standards
		N/A	Visual determination of opacity for welding, facilities assigned to AQGP-029 are not subject to these standards
63.11519	a	5.1, 5.2	Notifications
	b	5.3	Annual certifications and compliance reports
	c	4.1-4.3, 4.7	Recordkeeping
63.11521		N/A	Who implements and enforces the NESHAP
63.11522		N/A	Definitions

COMPLIANCE ASSURANCE

11. Permittees are required to maintain records of notifications, production, compliance, work practice activities, and complaints received at the facility. These items are reported to DEQ annually, as applicable.
12. DEQ staff members perform site inspections of the permitted facilities on a routine basis, and more frequently if complaints are received.

REVOCATION OF ASSIGNMENT

13. Any facility that fails to demonstrate compliance, generates complaints, or fails to conform to the requirements and limitations contained in the permit may have its assignment to the General Permit revoked. The facility would then be subject to a higher, more stringent level of permitting.

PUBLIC NOTICE

14. General Air Contaminant Discharge Permits are part of the State Implementation Plan. As part of the issuance process, the public will be provided 35 days to submit written comments. DEQ will review any comments and issue the permit in response to the comments.

AQGP-029r, metal fabrication and finishing
04/01/2011