

Department of Environmental Quality  
Air Quality Program

**GENERAL**  
**AIR CONTAMINANT DISCHARGE PERMIT**  
**ASSESSMENT REPORT**

**PLATING AND POLISHING**

SOURCE DESCRIPTION AND QUALIFICATION

1. This General Permit is designed to regulate air contaminant emissions from plating and polishing operations subject to the Plating and Polishing Operations NESHAP (40 CFR part 63 subpart WWWW). The Plating and Polishing Operations NESHAP regulates facilities engaged in one or more of the following operations that uses or has emissions of compounds of one or more plating and polishing metal HAP, which means any compound of the following metals: cadmium, chromium, lead, manganese, and nickel. With the exception of lead, plating and polishing metal HAP also include any of these metals in the elemental form.
  - Electroplating other than chromium electroplating (i.e., nonchromium electroplating)
  - Electroless or non-electrolytic plating
  - Other non-electrolytic metal coating processes, such as chromate conversion coating, nickel acetate sealing, sodium dichromate sealing, and manganese phosphate coating; and thermal spraying
  - Dry mechanical polishing of finished metals and formed products after plating
  - Electroforming
  - Electropolishing
  
2. This General Permit does not apply to:
  - Process units that are subject to the requirements of 40 CFR part 63, subpart N (National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks)
  - Research and development process units, as defined in 40 CFR 63.11511
  - Process units that are used strictly for educational purposes
  - Thermal spraying conducted to repair surfaces; dry mechanical polishing conducted to restore the original finish to a surface to apply to restoring the original finish
  - Any plating or polishing process that does not use any material that contains cadmium, chromium, lead, or nickel in amounts of 0.1 percent or more by weight, or that contains manganese in amounts of 1.0 percent or more by weight, as reported on the Material Safety Data Sheet for the material

3. Facilities eligible for assignment to this permit have not experienced recurring or serious compliance problems.
4. 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.
5. 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

6. Facilities assigned to this General Permit are sources of particulate matter (PM) and hazardous air pollutant (HAP) emissions.
7. DEQ has assessed the level of emissions of all air pollutants from these facilities and determined that facilities complying with the operational limits and monitoring requirements of this permit have emission levels below the established levels of concern stated in Tables 2 and 3 of OAR 340-200-0020.

### SPECIFIC AIR PROGRAM APPLICABILITY

8. 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.
9. Facilities assigned to this General Permit are subject to 40 CFR part 63 subpart WWWW 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 WWWW.

40 CFR		Permit	
63.11504		1.1	Affected facilities
63.11505		1.1, 1.2	Affected processes
63.11506		3.1	Compliance dates
63.11507	a	3.2	Electroplating, electroforming, or electropolishing standards
	b	3.3	Flash or short-term electroplating tank standards
	c	3.4	Standards for process tanks used for short-term electroplating and for electrolytic processing of longer duration
	d	3.5	Standards for electroplating tanks that use cyanide
	e	3.6	Dry mechanical polishing equipment standards

	f	3.7	Thermal spraying operation standards
	g	3.8	Plating and polishing process unit standards
63.11508	a	7.2	Notification of compliance status
	b	5.1	Continual compliance
	c	5.2	Initial compliance demonstration
	d	5.3	Continuous compliance demonstration
63.11509	a	7.1	Initial notification
	b	7.2	Notification of compliance status
	c	7.3	Annual certification of compliance report
	d	7.4	Deviation report
	e	6.1	Recordkeeping
	f	6.3	Retention of records
63.11510		N/A	General provision applicability
63.11511		N/A	Definitions
63.11512		N/A	Who implements and enforces the NESHAP

COMPLIANCE ASSURANCE

10. 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.
11. DEQ staff members perform site inspections of the permitted facilities on a routine basis, and more frequently if complaints are received.

REVOCAION OF ASSIGNMENT

12. 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

13. 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.