



# Maricopa County

Air Quality Department

Maricopa County Air Quality Department  
301 W. Jefferson St., Suite 410, Phoenix, AZ 85003  
Phone (602) 506-6010  
AQPermits@maricopa.gov

## PLATING/POLISHING MACT NOTIFICATION

**National Emission Standards for Hazardous Air Pollutants (NESHAP)  
INITIAL NOTIFICATION / NOTIFICATION OF COMPLIANCE STATUS  
Area Source Standards for Plating and Polishing Operations  
Subpart WWWW: 40 CFR 63.11504 – 63.11511**

Form must be uploaded into the AQD Online Portal. Instructions for creating your Shared CROMERR Services Electronic Signature account to access the portal and steps for uploading this form can be found on [Maricopa.gov/1820](http://Maricopa.gov/1820). Each owner or operator of a plating and polishing facility is required to submit an initial notification/notification of compliance status no later than 120 calendar days after becoming subject to this subpart.

### 1. Company Information

Company Name: \_\_\_\_\_  
Facility ID: \_\_\_\_\_  
Mailing Address: Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

### 2. Owner/Operator Information

Name and Title: \_\_\_\_\_  
Please check whether the person listed above is owner or operator of the facility:  Owner  Operator  
Mailing Address: Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

### 3. Facility Location Information (If different from company information)

Company Name: \_\_\_\_\_  
Facility ID: \_\_\_\_\_  
Mailing Address: Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Are the compliance records located at the same location?  Yes  No  
If the Location of compliance records is different please provide street address:  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_



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### 4. Identification of Affected Operations

4a. The following are the operations at this facility subject to subpart WWWWWW (check all that apply):

- i. Electroplating (noncyanide)
- ii. Continuous electroplating (noncyanide)
- iii. Short-term electroplating (noncyanide)
- iv. Electropolishing
- v. Electroforming
- vi. Electroplating (cyanide)
- vii. Electroless nickel
- viii. Chrome conversion coating
- ix. Other electroless plating/coating/dipping
- x. Thermal spraying (permanent line)
- xi. Thermal spraying (temporary, in-situ)
- xii. Dry mechanical polishing

**Important Note:** These operations are affected sources under subpart WWWWWW only if/when they use materials that contain or have the potential to emit Plating and Polishing metal HAP. Plating and Polishing HAP containing/potential is defined to be when the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead, are used or have the potential to be emitted in quantities of 0.1 percent or more, or 1.0 percent or more for elemental or compounds of manganese.



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4b. The following table lists the compliance methods used on each affected tank process at this facility (noted in 4a).

Tank Process Description/ID Number	HAP Emitted or Used (Cd, Cr, Pb, Mn, Ni)	Compliance Method(s) (Check all that apply)
		<input type="checkbox"/> Wetting agent/fume suppressant <input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Tank cover <input type="checkbox"/> Time limit (short-term plating only) <input type="checkbox"/> Management practices
		<input type="checkbox"/> Wetting agent/fume suppressant <input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Tank cover <input type="checkbox"/> Time limit (short-term plating only) <input type="checkbox"/> Management practices
		<input type="checkbox"/> Wetting agent/fume suppressant <input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Tank cover <input type="checkbox"/> Time limit (short-term plating only) <input type="checkbox"/> Management practices
		<input type="checkbox"/> Wetting agent/fume suppressant <input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Tank cover <input type="checkbox"/> Time limit (short-term plating only) <input type="checkbox"/> Management practices
		<input type="checkbox"/> Wetting agent/fume suppressant <input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Tank cover <input type="checkbox"/> Time limit (short-term plating only) <input type="checkbox"/> Management practices
		<input type="checkbox"/> Wetting agent/fume suppressant <input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Tank cover <input type="checkbox"/> Time limit (short-term plating only) <input type="checkbox"/> Management practices



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4c. The following table lists each affected thermal spraying booths/lines (temporary and permanent), and dry mechanical polishing processes subject to subpart WWWWWW (noted previously in 4a).

Thermal Spray Booth/Line or Dry Mechanical Polishing Description ID/Number	HAP Emitted or Used (Cd, Cr, Pb, Mn, Ni)	Compliance Method(s) (Check all that apply)
		<input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Management practices (temporary thermal spraying only)
		<input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Management practices (temporary thermal spraying only)
		<input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Management practices (temporary thermal spraying only)
		<input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Management practices (temporary thermal spraying only)
		<input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Management practices (temporary thermal spraying only)
		<input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Management practices (temporary thermal spraying only)
		<input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Management practices (temporary thermal spraying only)
		<input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Management practices (temporary thermal spraying only)
		<input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Management practices (temporary thermal spraying only)
		<input type="checkbox"/> Vented to a control device describe: _____ <input type="checkbox"/> Management practices (temporary thermal spraying only)



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4d. The following applicable management practices are used at this facility, as practicable:

- Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.
- Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.
- Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.
- Use tank covers, if already owned and available at the facility, whenever practicable.
- Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).
- Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.
- Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, as practicable, and thorough rinsing of pre-treated parts to be plated.
- Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.
- Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.
- Minimize spills and overflow of tanks, as practicable.
- Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.
- Perform regular inspections to identify leaks and other opportunities for pollution prevention.

5. **Certification of Compliance Status (please check one)**

Compliance Date:  Existing source: July 1, 2010  New source: \_\_\_\_\_  
(Date of startup)

Yes, the referenced facility is operating in compliance with all of the relevant standards and other requirements of 40 CFR Part 63 subpart WWWW, National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations

No, the referenced facility is not operating in compliance with all of the relevant standards and other requirements of 40 CFR Part 63 subpart WWWW, National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations

Reason for noncompliance:

I certify the truth, accuracy and completeness of this notification.

Certifying official (check one):  Owner  Operator

\_\_\_\_\_  
Name of Certifying Official (print or type)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature of Certifying Official

\_\_\_\_\_  
Date