

Compliance Options

[§63.3890]

Table 1. HAP Emission Limits for Coating Types

Subcategory	Emission Limit (kg HAP/liter of coating solids)	
	New/Reconstructed Sources	Existing Sources
General Use Coating	0.23	0.31
High Performance Coating	3.3	3.3
Magnet Wire Coating	0.050	0.12
Rubber-to-Metal Coating	0.81	4.5
Extreme Performance Fluoropolymer Coating	1.5	1.5

You may: (1) comply with emission limits separately; (2) if general use or magnet wire coating is your predominant activity you may comply with one of those emission limits for all of your coatings operations; or (3) determine a facility-specific emission limit [§ 63.3890(c)]

You may comply with your emission limits by doing any of the following [§ 63.3891].:

- Compliant Material Option** – Each coating you use must not exceed the HAP limit in Table 1, determined during the 12-month compliance period. Each thinner and cleaning material used must contain no organic HAP.
- Emission Rate Without Add-on Controls** - The organic HAP emission rate, calculated as a rolling 12-month emission rate and determined on a monthly basis. For coatings, thinners, and cleaning materials must not exceed the HAP limits in Table 1.
- Emission Rate With Add-On Controls** – The organic HAP emission rate, calculated as a rolling 12-month emission rate and determined on a monthly basis, for coatings, thinners, and cleaning materials (including emission capture and control efficiency) the HAP limits in Table 1.

If you are subject to any other final surface coating NESHAP, you have the option of complying with the emission limit that represents the predominant surface coating activity at your facility, or you may develop a facility-specific emission limit [§ 63.3881(e)].

Work Practice Standards

[63.3893]

If you use capture and control devices, you must develop and operate according to a work practice plan. The plan should include actions to:

- ❖ Cover mixing and storage vessels containing organic HAP-containing coatings, thinners, cleaning materials, and waste materials except when adding, removing, or mixing contents
- ❖ Use closed containers or pipes to store and convey organic HAP-containing coatings, thinners, cleaning materials, and waste materials
- ❖ Minimize spills of organic HAP-containing coatings, thinners, cleaning materials, and waste materials
- ❖ Minimize organic HAP emissions during cleaning of storage, mixing, and conveying equipment

You can also contact your regional EPA air toxics office at the following numbers:

Address	States	Website/ Phone Number
Region 1 1 Congress Street Suite 1100 Boston, MA 02114-2023	CT, MA, ME, NH, RI, VT	www.epa.gov/region1 (888) 372-7341
Region 2 290 Broadway New York, NY 10007-1866	NJ, NY, PR	www.epa.gov/region2 (212) 637-3000
Region 3 1650 Arch Street Philadelphia, PA 19103-2029	DE, MD, PA, VA, WV, DC	www.epa.gov/region3 (800) 438-2474 (215) 814-3297
Region 4 Atlanta Federal Center 61 Forsyth Street, SW Atlanta, GA 30303-3104	FL, NC, SC, KY, TN, GA, AL, MS	www.epa.gov/region4 (800) 241-1754
Region 5 77 W. Jackson Blvd Chicago, IL 60604	IL, IN, MI, WI, MN, OH	www.epa.gov/region5 (800) 621-8431
Region 6 1445 Ross Avenue Suite 1200 Dallas, TX 75202	AR, LA, NM, OK, TX	www.epa.gov/region6 (800) 887-6063* (214) 665-6444
Region 7 901 N. 5 th Street Kansas City, KS 66101	IA, KS, MO, NE	www.epa.gov/region7 (800) 223-0425
Region 8 999 18th St. Suite 300 Denver, CO 80202-2466	CO, MT, ND, SD, UT, WY	www.epa.gov/region8 (800) 227-8917* (303) 312-6312
Region 9 75 Hawthorne St., San Francisco, CA 94105	CA, AZ, HI, NV	www.epa.gov/region9 (415) 947-8000
Region 10 1200 6 th Avenue Seattle, WA 98101	AK, ID, WA, OR	www.epa.gov/region10 (800) 424-4372* (206) 553-1200

* For sources within the region, only.

For More Information

Copies of the rule and other material are located at EPA's Miscellaneous Metal Parts and Products Surface Coating web site: www.epa.gov/ttn/atw/misc/miscpg.html

United States
Environmental Protection
Agency

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www.epa.gov/ttn/atw/misc/miscpg.html

Office of Air Quality Planning & Standards (E143-02)



SURFACE COATING OF MISCELLANEOUS METAL PARTS AND PRODUCTS NESHAP (SUBPART MMMM)

AN OVERVIEW OF THE FINAL RULE



New EPA air emission standards for Miscellaneous Metal Parts and Products Surface Coating Operations were promulgated on January 2, 2004 [69 FR 130]

Who is covered by the rule?
[§63.3882]

You are affected if you own or operate a new, reconstructed or existing affected source at a facility that is a major source, is located at a major source, or is part of a major source of hazardous air pollutants (HAP) and uses 250 gallons per year or more of coatings that contain HAP to coat metal parts or products.

An Affected Source is . . .

The collection of all coating operations; storage containers and mixing vessels used for coatings, thinners and/or other additives, cleaning materials and wastes; and manual and automated conveying equipment and containers used for coatings, thinners and/or other additives, cleaning materials and wastes.

Miscellaneous metal parts and products includes, but is not limited to . . .

Metal components of the following types of products: motor vehicle parts and accessories, bicycles and sporting goods, recreational vehicles, extruded aluminum structural components, railroad cars, heavy duty trucks, medical equipment, lawn and garden equipment, electronic equipment, magnet wire, steel drums, industrial machinery, metal pipes, and numerous other industrial, household, and consumer products.

Coatings are . . .

Materials applied to a substrate for decorative, protective, or functional purposes and include, but are not limited to, paints, sealants, caulks, inks, adhesives, and maskants.

Who is not covered by this rule?
[§63.3881]

The following sources are not covered under Subpart Mmmm:

- ❖ Sources that only use coatings, thinners, and cleaning materials containing no organic HAP
- ❖ Research or laboratory facilities, janitorial or building and facility maintenance operations, hobby shops operated for noncommercial purposes
- ❖ Coatings used in volumes less than 50 gallons per year, provided that the total volume of coatings exempt does not exceed 250 gallons per year at the facility
- ❖ Surface coating of metal parts and products performed on-site at installations owned by the US Armed Forces or NASA
- ❖ Surface coating of military munitions manufactured by the US Armed Forces

- ❖ Extrusion of a plastic covering onto metal wire or cable or metal parts or products to form a coating
- ❖ Surface coating operations where plastic is extruded onto metal wire or cable or metal parts or products to form a coating
- ❖ Surface coating subject to any other NESHAP in Part 63 as of the date of publication of that final rule in the Federal Register
- ❖ Coating application using hand-held nonrefillable aerosol containers, touchup markers, or marking pens

What standards must I follow?
[§63.3890]

You must meet the emission limit for the subcategory or sub-categories present in your facility. The subcategories are: general use coating, high performance coating, magnet wire coating, rubber-to-metal coating, and extreme performance fluoropolymer coating.

Operating Limits
[§63.3892]

The operating limits are the site-specific parameter limits you determine for your capture and control devices during the performance test. Your operating limits must be monitored by a continuous parameter monitoring system (CPMS).

Compliance Dates
[§63.3883]

If your initial startup is ...	Then you're *	And must comply by ...
On or before August 13, 2002	An <i>existing</i> source	January 2, 2007
After August 13, 2002	A <i>new</i> source	By January 2, 2004 or the initial startup of your affected source, whichever is later

* When determining whether a source is new or existing, the General Provisions (40 CFR 63, Subpart A) requires us to use the proposal date of the rule as the cutoff date. For subpart Mmmm, the rule proposal date was August 13, 2002.

Noncompliance with applicable regulations after the compliance date may result in fines and penalties of up to \$25,000 per day per violation.

Compliance Calculations
[§§63.3941 – 63.3966]

For Compliance Option No. 1, the collected data for coatings, thinners, and cleaning materials are used to calculate the organic HAP content of each material used each month. For Compliance Options No. 2 and 3, an organic HAP emission rate for the 12-month compliance period is calculated.

Notification, Recordkeeping, and Reporting Requirements

Initial Notification: [§63.3910]

The initial notification states that your facility is subject to the miscellaneous metal parts and products surface coating standards. You must submit this no later than **January 2, 2005** if you are an existing source. If you are a new source, you must submit this by **May 1, 2004** or initial startup, whichever is later.

Notification of Intent to Conduct a Performance Test: [§63.9(e)] If your facility is required to conduct performance tests (e.g., those with add-on control equipment), you must submit a notification of intent to conduct a performance test 60 days prior to the test.

Notification of Compliance Status: [§63.3910] You must submit a Notification of Compliance Status (NOCS) within 30 days after initial compliance period. The initial compliance period ends on the last day of the 12th full month following the compliance date

Performance Test Report: [§63.3920] If your facility is required to conduct performance tests (e.g., those with add-on control equipment), you must submit a performance test report within 60 days after completion of the performance test.

Startup, Shutdown, Malfunction Reports: [§63.3920] A startup, shutdown, and malfunction report must be submitted immediately if there was a startup, shutdown, or malfunction of the control device during the reporting period that is not consistent with the startup, shutdown, and malfunction plan. If actions taken were consistent with the startup, shutdown, and malfunction plan, the report must be submitted semiannually.

Semiannual Compliance Reports: [§63.3920] After the initial compliance period each affected source must submit semiannual compliance reports.

Records: [§§63.3930 and 63.3931] Your facility is required to keep records of reported information and all other information necessary to document compliance with the proposed rule for 5 years. There may be additional requirements depending on the compliance option that you choose.