

Compliance Options

[§63.4490]

Table 1. HAP Emission Limits for Coating Types

Subcategory	Emission Limit (kg HAP/kg of coating solids)	
	New/Reconstructed Sources	Existing Sources
General Use Coating	0.16	0.16
Automotive Lamp Coating	0.26	0.45
Thermoplastic Olefin (TPO) Coating	0.22	0.26
New Assembled On-Road Vehicle Coating	1.34	1.34

You may: (1) comply with emission limits separately; (2) if general use or TPO is your predominant activity (>90%) you may comply with one of those emission limits for all of your coatings operations; or (3) determine a facility-specific emission limit [' 63.4490(c)]

You may comply with your emission limits by doing any of the following [' 63.4491]:

- 1) 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 or other additive and cleaning material used must contain no organic HAP.
- 2) 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.
- 3) 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 each NESHAP separately, complying with the emission limit that represents the predominant surface coating activity at your facility (not including assembled on-road vehicle and automotive lamp coating operations), or you may develop a facility-specific emission limit [' 63.4481(e)].

Work Practice Standards

[63.4493]

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 Plastic Parts and Products Surface Coating web site:
www.epa.gov/ttn/atw/plastic/plasticpg.html

United States
Environmental Protection
Agency

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www.epa.gov/ttn/atw/plastic/plasticpg.html

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



SURFACE COATING OF PLASTIC PARTS AND PRODUCTS NESHAP (SUBPART PPPP)

AN OVERVIEW OF THE FINAL RULE

[picture pending]

New EPA air emission standards for Plastic Parts and Products Surface Coating Operations were promulgated on April 19, 2004 [69 FR 20968]

Who is covered by the rule?

[§§63.4481 and 63.4482]

You are subject 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 100 gallons per year or more of coatings that contain HAP to coat plastic 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.

Plastic parts and products includes, but is not limited to . . .

Plastic components of the following types of products: motor vehicle parts and accessories for automobiles, trucks, RVs; sporting and recreational goods; toys; business machines; laboratory and medical equipment; and household and other 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?

[§63.4481]

The following sources are not covered under Subpart PPPP:

- ❖ Sources that only use coatings, thinners and other additives, and cleaning materials containing no organic HAP
- ❖ Research or laboratory facilities, janitorial or building and facility maintenance operations, hobby shops operated for noncommercial purposes
- ❖ Surface coating of plastic 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 plastic parts or products to form a coating
- ❖ Surface coating of magnet wire

- ❖ In-mold coating operations or gel coating operations in the manufacture of reinforced plastic composite parts that meet the requirements of subpart WWWW.
- ❖ Surface coating of plastic components that meet the applicability criteria of any of the following surface coating NESHAP in Part 63, Subparts: JJ (wood furniture), NNNN (large appliances), RRRR (metal furniture), QQQQ (wood building products), GG (aerospace manufacturing and rework), II (shipbuilding and ship repair), JJJJ (paper and other web coating), and VVVV (boat manufacturing, except that post-mold coating operations for personal watercraft and parts of personal watercraft are subject to PPPP)
- ❖ Surface coating of plastic parts intended for use in an aerospace vehicle or component using specialty coatings as defined in appendix A of 40 CFR 63, subpart GG
- ❖ Surface coating of fiberglass boats or parts of fiberglass boats, not including
- ❖ Coating application using hand-held nonrefillable aerosol containers, touchup markers, or marking pens

What standards must I follow?

[§63.4490]

You must meet the emission limit for the subcategory or subcategories present in your facility. The subcategories are: general use coating, automotive lamp coating, thermoplastic olefin (TPO) coating, and assembled on-road vehicle coating.

Operating Limits

[§63.4492]

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

[§63.4483]

If your initial startup is ...	Then you're *	And must comply by ...
On or before December 4, 2002	An existing source	April 19, 2007
After December 4, 2002	A new source	By April 19, 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 PPPP, the rule proposal date was December 4, 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

[§§63.4541 – 63.4566]

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 during each 12-month compliance period. 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: [§63.4510]

The initial notification states that your facility is subject to the plastic parts and products surface coating standards. You must submit this no later than **April 19, 2005**, if you are an existing source. If you are a new source, you must submit this by **April 19, 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: [§63.4510]

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: [§63.4520]

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: [§63.4520]

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: [§63.4520]

After the initial compliance period each affected source must submit semiannual compliance reports.

Records: [§§63.4530 and 63.4531]

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.