

Compliance Options

[§63.4091]

You may comply with your emission limits by doing any of the following:

1) Compliant Material Option:

Each coating you use (either “as-purchased” or “as-applied”) must not exceed 0.13 kg HAP per liter solids for existing sources, and 0.022 kg HAP per liter solids for new sources. Each thinner and cleaning material used must contain no organic HAP.

2) Emission Rate Without Add-on Controls Option:

The monthly organic HAP emission rate for coatings, thinners, and cleaning materials must not exceed 0.13 kg HAP per liter solids for existing sources, or 0.022 kg HAP per liter solids for new sources.

3) Emission Rate With Add-On Controls Option:

The monthly organic HAP emission rate from coatings, thinners, and cleaning materials (including the emission capture and control efficiency) must not exceed 0.13 kg HAP per liter solids for existing sources, or 0.022 kg HAP per liter solids for new sources.

Work Practice Standards

[63.4093]

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 vessels containing organic HAP-containing coatings, thinners, cleaning materials, and waste materials except when adding or removing contents
- ❖ Use closed containers 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

Compliance Calculations

[§§63.4141 – 63.4166]

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 average monthly emission rate is calculated.

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, WB, 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 Large Appliances Surface Coating web site:

www.epa.gov/ttn/atw/lapp/lapplpg.html

United States
Environmental Protection
Agency

September 2002

www.epa.gov/ttn/atw/lapp/lapplpg.html

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



LARGE APPLIANCES SURFACE COATING NESHAP (SUBPART NNNN)

AN OVERVIEW OF THE FINAL RULE



New EPA air emission standards for Large Appliances Surface Coating Operations were promulgated on July 23, 2002 [67 FR 48254]

Who is covered by the rule?

[§63.4081]

You are covered if you own or operate an 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).

An Affected Source is . . .

all of the activities that involve coatings, thinners, and cleaning materials used in large appliance coating operations, including: surface preparation; coating preparation; coating application; coating flash-off, drying, or curing; equipment cleaning; storage; conveying; and waste handling and conveying.

Large Appliances parts and products include, but are not limited to . . .

Cooking equipment; refrigerators, freezers, and refrigerated cabinets and cases; dishwashers, trash compactors and water heaters; and heating, ventilation, and air conditioning units; air conditioning and heating combination units, and comfort furnaces and electric heat pumps.

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?

[§63.4081]

The following sources are not covered under Subpart NNNN:

- ❖ Surface coating of large appliance parts such as metal or plastic handles, hinges, or fasteners that have a wider use beyond large appliances
- ❖ Surface coating of large appliances for repair or maintenance and not for commerce, unless these activities alone constitute a major source
- ❖ Research or laboratory facilities
- ❖ Janitorial or building and maintenance operations
- ❖ Hobby shops used for noncommercial purposes
- ❖ Coating application using hand-held, nonrefillable aerosol containers, touchup markers, or marking pens
- ❖ Coating of heat transfer coils and large commercial or industrial chillers
- ❖ Any process involving metal plating or phosphating

What standards must I follow?

[§63.4090]

- ❖ If you are an existing source, limit your emissions to no more than 0.13 kg organic HAP per liter of coating solids used (1.1 lb/gal) each month
- ❖ If you are a new source, limit your emissions to no more than 0.022 kg organic HAP per liter of coatings solids used (0.18 lb/gal) each month

What operating limits must I meet?

[§63.4092]

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

[§63.4083]

If your initial startup is ...	Then you're *	And must comply by ...
On or before 12/22/2000	An <i>existing</i> source	July 23, 2005
After 12/22/2000	A <i>new</i> source	By July 23, 2002 or initial startup of your affected source, whichever is later

* When determining if 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 NNNN, the rule proposal date was December 22, 2000.

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

Notification, Recordkeeping, and Reporting Requirements

Initial Notification: [§63.4110]

The initial notification states that your facility is subject to the Large Appliances Surface Coating standards. You must submit this no later than July 23, 2003 if you are an existing source. If you are a new source, by November 20, 2002 or within 120 days after initial startup, whichever is later.

Notification, Recordkeeping, and Reporting Requirements

(continued)

Notification of Intent to Conduct a Performance Test: [§63.4110]

If your facility is required to conduct performance tests (i.e., those with add-on control equipment), you must submit a notification of intent to conduct a performance test 60 days prior to the test. The performance test is required no later than July 23, 2005 for existing sources. New or reconstructed sources must conduct the performance test by January 19, 2003 or within 180 days from startup, whichever is later.

Notification of Compliance Status: [§63.4110]

You must submit a Notification of Compliance Status (NOCS) by September 30, 2005, if you are an existing source. If you are a new source, the NOCS must be submitted within 30 days after the end of the initial compliance period.

Performance Test Report: [§63.4120]

If your facility is required to conduct performance tests (i.e., 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: [§63.4120]

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: [§63.3400]

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

Records: [§§63.4130 and 63.4131]

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.