

Compliance Options

[§63.4891]

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 0.10 kg HAP per liter solids for existing sources, determined monthly. New sources must emit no organic HAP unless an alternative emission limit is requested and approved. New sources with an approved emission limit must emit no more than 0.094 kg HAP per liter solids for new sources, determined monthly. Each thinner and cleaning material used must contain no organic HAP.

2) Emission Rate Without Add-on Controls

The monthly organic HAP emission rate for coatings (including adhesives), thinners, and cleaning materials must not exceed 0.10 kg HAP per liter solids for existing sources, or 0.094 kg HAP per liter solids, for new sources with approval for an alternative emission limit. New sources without approval for an alternative emission limit must emit no organic HAP.

3) Emission Rate With Add-On Controls –

The monthly organic HAP emission rate from coatings, thinners, and cleaning materials (including the emission capture and control efficiency) must not exceed 0.10 kg HAP per liter solids for existing sources, or 0.094 kg HAP per liter solids for new sources with approval for an alternative emission limit. New sources without approval for an alternative emission limit must emit no organic HAP.

Work Practice Standards

[63.4893]

If you use capture and add-on 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, 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 Metal Furniture Surface Coating web site:

www.epa.gov/ttn/atw/mfurn/mfurnpg.html

United States
Environmental Protection
Agency
www.epa.gov/ttn/atw/mfurn/mfurnpg.html

December 2003

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



METAL FURNITURE SURFACE COATING NESHAP (SUBPART RRRR)

AN OVERVIEW OF THE FINAL RULE



New EPA air emission standards for Metal Furniture Surface Coating Operations were promulgated on May 23, 2003 [68 FR 28606]

Who is covered by the rule?

[§63.4881]

You are affected 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 . . .

Any new or existing facility that is a major source and applies coatings to metal furniture.

Metal Furniture includes, but is not limited to . . .

Components of furniture constructed either entirely or partially from metal and components of the following types of products as well as the products themselves: household, office, institutional, laboratory, hospital, public building, restaurant, barber and beauty shop, and dental furniture; office and store fixtures; partitions; shelving; lockers; lamps and lighting fixtures; and wastebaskets.

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?

[§63.4881]

The following sources are not covered under Subpart RRRR:

- ❖ Sources that only use coatings, thinners, and cleaning materials containing no organic HAP
- ❖ Surface coating metal components of wood furniture in an operation subject to the wood furniture MACT (40 CFR 63, subpart JJ)
- ❖ Surface coating of small items (e.g., knobs, hinges, or screws) that have a wider use beyond metal furniture and are not being coated at a metal furniture source.
- ❖ Research or laboratory facilities or part of janitorial or building and facility maintenance operations
- ❖ Surface coating for of metal furniture for repair or maintenance and not for commerce, unless these activities alone constitute a major source
- ❖ Sources that coat metal furniture performed on-site at installations owned by the Military, including the Coast Guard and the National Guard of any State.
- ❖ Coating application using hand-held nonrefillable aerosol containers, touchup markers, or marking pens

What standards must I follow?

[§63.4890]

- ❖ If you are an existing source, limit your emissions to no more than 0.10 kg organic HAP per liter of coating solids used (0.83 lb/gal) each month
- ❖ If you are a new or reconstructed source, you must emit no organic HAP each month
- ❖ If you are a new or reconstructed source, and you receive approval to use an alternative new source emission limit, you must limit your emissions to no more than 0.094 kg organic HAP per liter of coatings solids used (0.78 lb/gal) each month

Operating Limits

[§63.4892]

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

[§63.4883]

If your initial startup is ...	Then you're *	And must comply by ...
On or before April 24, 2002	An existing source	May 23, 2006
After April 24, 2002	A new source	By the May 23, 2003 or the 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 RRRR, the rule proposal date was April 24, 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

[§§63.4941 – 63.4966]

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.

Notification, Recordkeeping, and Reporting Requirements

Initial Notification: [§63.4910]

The initial notification states that your facility is subject to the Metal Furniture Surface Coating standards. You must submit this no later than May 23, 2004 if you are an existing source. If you are a new source, September 30, 2003 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. The performance test is required no later than May 23, 2006 for existing sources. New or reconstructed sources must conduct the performance test by November 19, 2003 or within 180 days of startup, whichever is later.

Notification of Compliance Status: [§63.4910]

You must submit a Notification of Compliance Status (NOCS) by July 30, 2006, 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: [§63.4920]

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: [§63.4920]

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: [§63.4920]

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

Records: [§§63.4930 and 63.4931]

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.