

Environmental Protection Agency

§ 63.5290

General provisions reference	Applicable to subpart SSSS	Explanation	
§ 63.9(h)(1)–(3)	Yes.	Reserved.	
§ 63.9(h)(4)	No		
§ 63.9(h)(5)–(6)	Yes.		
§ 63.9(i)	Yes.		
§ 63.9(j)	Yes.		
§ 63.10(a)	Yes.		
§ 63.10(b)(1)–(3)	Yes		
§ 63.10(c)(1)	No.		
§ 63.10(c)(2)–(4)	No		Reserved.
§ 63.10(c)(5)–(8)	No.		
§ 63.10(c)(9)	No	Reserved.	
§ 63.10(c)(10)–(15)	No.	Provisions pertaining to startups, shutdowns, malfunctions, and maintenance of air pollution control equipment and to CEMS do not apply unless an add-on control system is used. Also, paragraphs (b)(2)(vi), (x), (xi), and (xiii) do not apply.	
§ 63.10(d)(1)–(2)	Yes.		
§ 63.10(d)(3)	No		
§ 63.10(d)(4)–(5)	Yes.		
§ 63.10(e)	No.		
§ 63.10(f)	Yes.		
§ 63.11	Yes.		
§ 63.12	Yes.		
§ 63.13	Yes.		
§ 63.14	Yes		
§ 63.15	Yes.	Subpart SSSS does not require opacity and visible emissions observations.	
		Subpart SSSS includes provisions for alternative ASTM and ASME test methods that are incorporated by reference.	

Subpart TTTT—National Emission Standards for Hazardous Air Pollutants for Leather Finishing Operations

SOURCE: 67 FR 9162, Feb. 27, 2002, unless otherwise noted.

WHAT THIS SUBPART COVERS

§ 63.5280 What is the purpose of this subpart?

This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for leather finishing operations. These standards limit HAP emissions from specified leather finishing operations. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission standards.

§ 63.5285 Am I subject to this subpart?

(a) You are subject to this subpart if you own or operate a leather finishing operation that is a major source of hazardous air pollutants (HAP) emissions or that is located at, or is part of, a major source of HAP emissions. A leather finishing operation is defined in § 63.5460. In general, a leather finishing operation is a single process or group of processes used to adjust and improve the physical and aesthetic characteristics of the leather surface through multistage application of a coating comprised of dyes, pigments, film-forming materials, and performance modifiers dissolved or suspended in liquid carriers.

(b) You are a major source of HAP emissions if you own or operate a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year.

(c) You are not subject to this subpart if your source finishes leather solely for the purpose of research and development.

§ 63.5290 What parts of my facility does this subpart cover?

(a) This subpart applies to each new, reconstructed, or existing affected source at leather finishing operations.

(b) The affected source subject to this subpart is the collection of all equipment and activities used for the multistage application of finishing materials to adjust and improve the physical and aesthetic characteristics of the leather

§ 63.5295

40 CFR Ch. I (7-1-15 Edition)

surface. This subpart applies to the leather finishing operations listed in paragraphs (b)(1) through (4) of this section and as defined in §63.5460, whether or not the operations are collocated with leather tanning operations:

- (1) Upholstery leather with greater than or equal to 4 grams finish add-on per square foot of leather;
- (2) Upholstery leather with less than 4 grams finish add-on per square foot of leather;
- (3) Water-resistant/specialty leather; and
- (4) Nonwater-resistant leather.

(c) An affected source does not include portions of your leather finishing operation that are listed in paragraphs (c)(1) and (2) of this section:

- (1) Equipment used solely with leather tanning operations; and
- (2) That portion of your leather finishing operation using a solvent degreasing process, such as in the manufacture of leather chamois, that is already subject to the Halogenated Solvent Cleaning NESHAP (40 CFR part 63, subpart T).

(d) An affected source is a new affected source if you commenced construction of the affected source on or after October 2, 2000, and you meet the applicability criteria at the time you commenced construction.

(e) An affected source is reconstructed if you meet the criteria as defined in §63.2.

(f) An affected source is existing if it is not new or reconstructed.

§ 63.5295 When do I have to comply with this subpart?

(a) If you have a new or reconstructed affected source, you must comply with this subpart according to paragraphs (a)(1) and (2) of this section:

- (1) If you startup your affected source before February 27, 2002, then you must comply with the emission standards for new and reconstructed sources in this subpart no later than February 27, 2002.
- (2) If you startup your affected source after February 27, 2002, then you must comply with the emission standards for new and reconstructed sources in this subpart upon startup of your affected source.

(b) If you have an existing affected source, you must comply with the emission standards for existing sources no later than February 28, 2005.

(c) If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP and an affected source subject to this subpart, paragraphs (c)(1) and (2) of this section apply.

(1) An area source that meets the criteria of a new affected source, as specified at §63.5290(d), or a reconstructed affected source, as specified at §63.5290(e), must be in compliance with this subpart upon becoming a major source.

(2) An area source that meets the criteria of an existing affected source, as specified at §63.5290(f), must be in compliance with this subpart no later than 3 years after it becomes a major source.

(d) You must meet the notification requirements in §63.5415 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission standards in this subpart.

STANDARDS

§ 63.5305 What emission standards must I meet?

The emission standards limit the number of pounds of HAP lost per square foot of leather processed. You must meet each emission limit in Table 1 of this subpart that applies to you.

COMPLIANCE REQUIREMENTS

§ 63.5320 How does my affected major source comply with the HAP emission standards?

(a) All affected sources must be in compliance with the requirements of this subpart at all times, including periods of startup, shutdown, and malfunction.

(b) You must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).

(c) You must perform all of the items listed in paragraphs (c)(1) through (10) of this section:

Environmental Protection Agency

§ 63.5330

(1) Submit the necessary notifications in accordance with § 63.5415.

(2) Develop and implement a plan for demonstrating compliance in accordance with § 63.5325.

(3) Submit the necessary reports in accordance with § 63.5420.

(4) Keep a finish inventory log, as specified at § 63.5335(b), to record monthly the pounds of each type of finish applied for each leather product process operation and the mass fraction of HAP in each applied finish. You may be required to start recordkeeping prior to the compliance dates specified at § 63.5295.

(5) Keep an inventory log, as specified at § 63.5430(f), to record monthly the surface area of leather processed in 1,000's of square feet for each product process operation. You may be required to start recordkeeping prior to the compliance dates specified at § 63.5295.

(6) Determine the actual HAP loss from your affected source in accordance with § 63.5335.

(7) Determine the allowable HAP loss for your affected source in accordance with § 63.5340.

(8) Determine the compliance ratio for your affected source each month as specified at § 63.5330. The compliance ratio compares your actual HAP loss to your allowable HAP loss for the previous 12 months.

(9) Maintain the compliance ratio for your affected source at or below 1.00 in accordance with § 63.5330.

(10) Maintain all the necessary records you have used to demonstrate compliance with this subpart in accordance with § 63.5430.

§ 63.5325 What is a plan for demonstrating compliance and when must I have one in place?

(a) You must develop and implement a written plan for demonstrating compliance that provides the detailed procedures you will follow to monitor and record data necessary for demonstrating compliance with this subpart. Procedures followed for quantifying HAP loss from the source and amount of leather processed vary from source to source because of site-specific factors such as equipment design characteristics and operating conditions. Typical procedures include one

or more accurate measurement methods such as weigh scales and volumetric displacement. Because the industry does not have a uniform set of procedures, you must develop and implement your own site-specific plan for demonstrating compliance not later than the compliance date for your source. You must also incorporate the plan for demonstrating compliance by reference in the source's title V permit. The plan for demonstrating compliance must include the items listed in paragraphs (a)(1) through (7) of this section:

(1) The name and address of the owner or operator.

(2) The physical address of the leather finishing operation.

(3) Provide a detailed description of all methods of measurement your source will use to determine your finish usage, HAP content of each finish, quantity of leather processed, and leather product process operation type.

(4) Specify when each measurement will be made.

(5) Provide examples of each calculation you will use to determine your compliance status. Include examples of how you will convert data measured with one parameter to other terms for use in compliance determination.

(6) Provide example logs of how data will be recorded.

(7) Provide a quality assurance/quality control plan to ensure that the data continue to meet compliance demonstration needs.

(b) You may be required to revise your plan for demonstrating compliance. We may require reasonable revisions if the procedures lack detail, are inconsistent, or do not accurately determine finish usage, HAP content of each finish, quantity of leather processed, or leather product process operation type.

§ 63.5330 How do I determine the compliance ratio?

(a) When your source has processed leather for 12 months, you must determine the compliance ratio for your affected source by the fifteenth of each month for the previous 12 months.

(b) You must determine the compliance ratio using Equation 1 of this section as follows:

$$\text{Compliance Ratio} = \frac{\text{Actual HAP Loss}}{\text{Allowable HAP Loss}} \quad (\text{Eq. 1})$$

Where:

Actual HAP Loss = Pounds of actual HAP loss for the previous 12 months, as determined in § 63.5335.

Allowable HAP Loss = Pounds of allowable HAP loss for the previous 12 months, as determined in § 63.5340.

(1) If the value of the compliance ratio is less than or equal to 1.00, your affected source was in compliance with the applicable HAP emission limits of this subpart for the previous month.

(2) If the value of the compliance ratio is greater than 1.00, your affected source was deviating from compliance with the applicable HAP emission limits of this subpart for the previous month.

§ 63.5335 How do I determine the actual HAP loss?

(a) This section describes the information and procedures you must use to determine the actual HAP loss from your leather finishing operation. By the fifteenth of each month, you must determine the actual HAP loss in pounds from your leather finishing operation for the previous month.

(b) Use one of the procedures listed in either paragraph (b)(1) or (b)(2) of this section for determining the actual HAP loss from your affected sources. Regardless of which procedure is used to determine HAP loss, each source is still required to maintain a written or printed log that documents the total quantity of solvents/finishes used each month in the process and the mass fraction of HAP in each solvent/finish.

(1) *Measure Finish as Applied.* Use a finish inventory log to record the pounds of each type of finish applied for each leather product process operation and the mass fraction of HAP in each applied finish. Figure 1 of this subpart shows an example log for recording the minimum information necessary to determine your finish usage and HAP loss. The finish inventory log must contain, at a minimum, the information for each type of finish applied

listed in paragraphs (b)(1)(i) through (vii) of this section:

- (i) Finish type;
- (ii) Pounds (or density and volume) of each finish applied to the leather;
- (iii) Mass fraction of HAP in each applied finish;
- (iv) Date of the recorded entry;
- (v) Time of the recorded entry;
- (vi) Name of the person recording the entry;
- (vii) Product process operation type.

(2) *Chemical Inventory Mass Balance.* Determine the actual monthly HAP loss from your affected source through mass balance calculations. You must follow your detailed mass balance procedures and calculations in your plan for demonstrating compliance in accordance with § 63.5325. The HAP mass balance must be based on a detailed inventory of stored chemicals at the beginning and end of each month, and business purchasing records to indicate additions to the inventory of chemical supplies. The net loss of chemicals used for finish applications is determined by subtracting the end of the month chemical inventory from the beginning of the month chemical inventory and adding the quantities of all chemicals purchased during the same 1-month period. In situations when an excess amount of finish is formulated, you must have documented procedures on how the excess amount is accounted for in the mass balance.

(c) To determine the pounds of HAP loss for the previous month, you must first determine the pounds of HAP loss from each finish application according to paragraph (c)(1) or (2) of this section.

(1) For facilities not using add-on emission control devices, the entire HAP content of the finishes are assumed to be released to the environment. Using the finish inventory log, multiply the pounds of each recorded finish usage by the corresponding mass fraction of HAP in the finish. The result is the HAP loss in pounds from

Environmental Protection Agency

§ 63.5340

each finish application. Sum the pounds of HAP loss from all finish applications recorded during the previous month to determine the total monthly HAP loss in pounds from your finishing operation.

(2) For facilities using add-on emission control devices, the finish inventory log and the emission reduction efficiency of the add-on capture and control devices can be used to determine the net HAP loss in pounds. The emission reduction efficiency for a control device must be determined from a performance test conducted in accordance with §§ 63.5375 and 63.5380. Using the finish inventory log, multiply the pounds of each recorded finish usage by the corresponding mass fraction of HAP in the finish. The result is the gross HAP loss in pounds from each finish application prior to the add-on control device. Multiply the gross HAP loss by the percent emission reduction achieved by the add-on control device and then subtract this amount from the gross HAP loss. The result is the net HAP loss in pounds from each finish application. Sum the pounds of net HAP loss from all finish applications recorded during the previous month to determine the total monthly net HAP loss in pounds from your finishing operation.

(d) After collecting HAP loss data for 12 months, you must also determine by the fifteenth of each month the annual HAP loss in pounds by summing the monthly HAP losses for the previous 12 months. The annual HAP loss is the "actual HAP loss," which is used in Equation 1 of § 63.5330 to calculate your

compliance ratio, as described in § 63.5330.

[67 FR 9162, Feb. 27, 2002, as amended at 70 FR 6360, Feb. 7, 2005]

§ 63.5340 How do I determine the allowable HAP loss?

(a) By the fifteenth of each month, you must determine the allowable HAP loss in pounds from your leather finishing operation for the previous month.

(b) To determine the allowable HAP loss for your leather finishing operation, you must select the appropriate HAP emission limit, expressed in pounds of HAP loss per 1,000 square feet of leather processed, from Table 1 of this subpart, for each type of leather product process operation performed during the previous 12 months. Under the appropriate existing or new source column, select the HAP emission limit that corresponds to each type of product process operation performed during the previous 12 months. Next, determine the annual total of leather processed in 1,000's of square feet for each product process operation in accordance with § 63.5400. Then, multiply the annual total of leather processed in each product process operation by the corresponding HAP emission limit to determine the allowable HAP loss in pounds for the corresponding leather product process operation. Finally, sum the pounds of HAP loss from all leather product process operations performed in the previous 12 months. Equation 1 of this section illustrates the calculation of allowable HAP loss as follows:

$$\text{Allowable HAP Loss} = \sum_{i=1}^n \left(\text{Annual Total of Leather Processed}_i * \frac{\text{HAP Emission Limit}_i}{1000} \right) \quad (\text{Eq. 1})$$

Where:

Annual Total of Leather Processed = 1,000's of square feet of leather processed in the previous 12 months in product process operation "i".

HAP Emission Limit = From Table 1 of this subpart, the HAP emission limit in pounds of HAP loss per 1,000 square feet

of leather processed for product process operation "i".

n = Number of leather product process operation types performed during the previous 12 months.

(c) The resulting "allowable HAP loss" is used in Equation 1 of § 63.5330

§ 63.5345

40 CFR Ch. I (7-1-15 Edition)

to calculate your compliance ratio, as described in § 63.5330.

§ 63.5345 How do I distinguish between the two upholstery product process operations?

(a) Product process operations that finish leather for use in automobile and furniture seat coverings are categorized as an upholstery product process operation. There are two upholstery product process operations subject to the requirements of this subpart—operations with less than 4 grams of finish add-on per square foot, and operations with 4 grams or more of finish add-on per square foot. You must distinguish between the two upholstery product process operations so that you can determine which HAP emission limit in Table 1 of this subpart applies to your affected source.

(b) You must determine finish add-on by calculating the difference in mass before and after the finishing process. You may use an empirical method to determine the amount of finish add-on

applied during the finishing process, as described in paragraphs (b)(1) through (4) of this section:

(1) Weigh a one square foot representative section of polyester film, paper, cardstock, or equivalent material substrate to be finished. This will provide an initial mass and surface area prior to starting the finishing process.

(2) Use a scale with an accuracy of at least 5 percent of the mass in grams of the representative section of substrate.

(3) Upon completion of these measurements, process the representative section of substrate on the finishing line as you would for a typical section of leather.

(4) After the finishing and drying process, weigh the representative section of substrate to determine the final mass. Divide the net mass in grams gained on the representative section by its surface area in square feet to determine grams per square foot of finish add-on. Equation 1 of this section illustrates this calculation, as follows:

$$\text{Finish Add - On} = \frac{(\text{Final Mass} - \text{Initial Mass})}{(\text{Surface Area})} \quad (\text{Eq. 1})$$

Where:

Finish Add-On = Grams per square foot of finish add-on applied to a representative section of polyester film or equivalent material substrate.

Final Mass = Final mass in grams of representative section of polyester film or equivalent material substrate, after finishing and drying.

Initial Mass = Initial mass in grams of representative section of polyester film or equivalent material substrate, prior to finishing.

Surface Area = Surface area in square feet of a representative section of polyester film or equivalent material substrate.

(c) Any appropriate engineering units may be used for determining the finish add-on. However, finish add-on results must be converted to the units of grams of finish add-on per square foot of leather processed. If multiple representative leather sections are analyzed, then use the average of these

measurements for selecting the appropriate product process operation.

(d) For each leather product with a unique finish application, you must maintain records to support how the leather product was categorized to a product process operations type. You must repeat the leather product categorization to a product process operation type no less frequently than once every 5 years if the applied finish chemical characteristics of the leather product have not changed, or when the applied finish chemical characteristics of the leather product change, whichever is sooner.

[67 FR 9162, Feb. 27, 2002, as amended at 70 FR 6360, Feb. 7, 2005]

§ 63.5350 How do I distinguish between the water-resistant/specialty and nonwater-resistant leather product process operations?

(a) Product process operations that finish leather for nonupholstery use are categorized as either water-resistant/specialty or nonwater-resistant product process operations. You must distinguish between the water-resistant/specialty and nonwater-resistant product process operations so that you can determine which HAP emission limit in Table 1 of this subpart applies to your affected source. Water-resistant and nonwater-resistant product process operations for nonupholstery use can be distinguished using the methods described in paragraph (b) of this section. Specialty leather product process operations for nonupholstery use can be distinguished using the criteria described in paragraph (c) of this section.

(b) To determine whether your product process operation produces water-resistant or nonwater-resistant leather, you must conduct the Maeser Flexes test method according to American Society for Testing and Materials (ASTM) Designation D2099-00 (incorporated by reference-see § 63.14) or a method approved by the Administrator.

(1) Statistical analysis of initial water penetration data performed to support ASTM Designation D2099-00 indicates that poor quantitative precision is associated with this testing method. Therefore, at a minimum, 36 leather substrate samples (*i.e.*, three sections of leather substrate from at least 12 sides of leather), must be tested to determine the water-resistant characteristics of the leather. You must average the results of these tests to determine the final number of Maeser Flexes prior to initial water penetration.

(2) Results from leather samples indicating an average of 5,000 Maeser Flexes or more is considered a water-resistant product process operation, and results indicating less than 5,000 Maeser Flexes is considered a nonwater-resistant product process operation. However, leather samples resulting in less than 5,000 Maeser Flexes

may be categorized as specialty leather in paragraph (c) of this section.

(3) For each leather product with a unique finish application, you must maintain records to support how the leather product was categorized to a product process operations type. You must repeat the leather product categorization to a product process operation type no less frequently than once every 5 years if the applied finish chemical characteristics of the leather product have not changed, or when the applied finish chemical characteristics of the leather product do change, whichever is sooner.

(c) To determine whether your product process operation produces specialty leather, you must meet the criteria in paragraphs (c)(1) and (2), or (c)(3) of this section:

(1) The leather must be a select grade of chrome tanned, bark retanned, or fat liquored leather.

(2) The leather must be retanned through the application of grease, waxes, and oil in quantities greater than 12 percent of the dry leather weight. Specialty leather is also finished with higher solvent-based finishes that provide rich color, luster, or an oily/tacky feel. Specialty leather products may include, but are not limited to, specialty shoe leather and top grade football leathers.

(3) The leather must be a high-quality dress or performance shoe leather that can withstand one of the visual tests in paragraph (c)(3)(i) or (ii) of this section:

(i) Moisture injection into the leather using vacuum mulling without signs of blistering.

(ii) Prolonged ironing at 200 °F for smoothing out surface roughness without finish lift off.

(4) For each leather product with a unique finish application, you must maintain records to support how the leather product was categorized to a product process operations type. You must repeat the leather product categorization to a product process operation type no less frequently than once every 5 years if the applied finish chemical characteristics of the leather product have not changed, or when the applied finish chemical characteristics

§ 63.5355

40 CFR Ch. I (7–1–15 Edition)

of the leather product do change, whichever is sooner.

[67 FR 9162, Feb. 27, 2002, as amended at 70 FR 6360, Feb. 7, 2005]

§ 63.5355 How do I monitor and collect data to demonstrate continuous compliance?

(a) You must monitor and collect data according to this section.

(b) You must collect data at all required intervals as specified in your plan for demonstrating compliance as specified at § 63.5325.

(c) For emission control devices, except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), you must monitor continuously (or collect data at all required intervals) at all times that the affected source is operating.

(d) You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, nor may such data be used in fulfilling a minimum data availability requirement, if applicable. You must use all the data collected during all other periods in assessing the compliance ratio, and, if an emission control device is used, in assessing the operation of the control device.

§ 63.5360 How do I demonstrate continuous compliance with the emission standards?

(a) You must demonstrate continuous compliance with the emission standards in § 63.5305 by following the requirements in paragraphs (a)(1) and (2) of this section:

(1) You must collect and monitor data according to the procedures in your plan for demonstrating compliance as specified in § 63.5325.

(2) If you use an emission control device, you must collect the monitoring data according to 40 CFR part 63, subpart SS.

(3) You must maintain your compliance ratio less than or equal to 1.00, as specified at § 63.5330.

(b) You must report each instance in which you did not meet the emission standards in § 63.5305. This includes periods of startup, shutdown, and malfunction. These deviations must be reported according to the requirements in § 63.5420(b).

(c) You must conduct the initial compliance demonstration before the compliance date that is specified for your source in § 63.5295.

TESTING AND INITIAL COMPLIANCE REQUIREMENTS

§ 63.5375 When must I conduct a performance test or initial compliance demonstration?

You must conduct performance tests after the installation of any emission control device that reduces HAP emissions and can be used to comply with the HAP emission requirements of this subpart. You must complete your performance tests not later than 60 calendar days before the end of the 12-month period used in the initial compliance determination.

§ 63.5380 How do I conduct performance tests?

(a) Each performance test must be conducted according to the requirements in § 63.7(e) and the procedures of § 63.997(e)(1) and (2).

(b) You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in § 63.7(e)(1).

(c) You must conduct three separate test runs for each performance test required in this section, as specified in § 63.7(e)(3). Each test run must last at least 1 hour.

§ 63.5385 How do I measure the quantity of finish applied to the leather?

(a) To determine the amount of finish applied to the leather, you must measure the mass, or density, and volume of each applied finish.

(b) Determine the mass of each applied finish with a scale calibrated to an accuracy of at least 5 percent of the amount measured. The quantity of all finishes used for finishing operations must be weighed or have a predetermined weight.

(c) Determine the density and volume of each applied finish according to the

criteria listed in paragraphs (c)(1) through (3) of this section:

(1) Determine the density of each applied finish in pounds per gallon in accordance with § 63.5395. The finish density will be used to convert applied finish volumes from gallons into mass units of pounds.

(2) Volume measurements of each applied finish can be obtained with a flow measurement device. For each flow measurement device, you must perform the items listed in paragraphs (c)(2)(i) through (v) of this section:

(i) Locate the flow sensor and other necessary equipment such as straightening vanes in or as close to a position that provides a representative flow.

(ii) Use a flow sensor with a minimum tolerance of 2 percent of the flow rate.

(iii) Reduce swirling flow or abnormal velocity distributions due to upstream and downstream disturbances.

(iv) Conduct a flow sensor calibration check at least semiannually.

(v) At least monthly, inspect all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

(3) Volume measurements of each applied finish can be obtained with a calibrated volumetric container with an accuracy of at least 5 percent of the amount measured.

§ 63.5390 How do I measure the HAP content of a finish?

(a) To determine the HAP content of a finish, the reference method is EPA Method 311 of appendix A of 40 CFR part 63. You may use EPA Method 311, an alternative method approved by the Administrator, or any other reasonable means for determining the HAP content. Other reasonable means of determining HAP content include, but are not limited to, a material safety data sheet (MSDS) or a manufacturer's hazardous air pollutant data sheet. If the HAP content is provided on a MSDS or a manufacturer's data sheet as a range of values, then the highest HAP value of the range must be used for the determination of compliance to this standard. This value must be entered on the finish log for each type of finish applied. You are not required to test the materials that you use, but the Admin-

istrator may require a test using EPA Method 311 (or another approved method) to confirm the reported HAP content. However, if the results of an analysis by EPA Method 311 are different from the HAP content determined by another means, the EPA Method 311 results will govern compliance determinations.

(b) You may use the weighted average of the HAP content analysis as determined in paragraph (a) of this section for each finish when you perform one of the actions listed in paragraphs (b)(1) and (2) of this section:

(1) Mix your own finishes on site.

(2) Mix new quantities of finish with previous quantities of finish that may have a different HAP content.

§ 63.5395 How do I measure the density of a finish?

(a) To determine the density of a finish, the reference method is EPA Method 24 of appendix A of 40 CFR part 60. You may use EPA Method 24, an alternative method approved by the Administrator, or any other reasonable means for determining the density of a finish. Other reasonable means of determining density include, but are not limited to, an MSDS or a manufacturer's hazardous air pollutant data sheet. If the density is provided on a MSDS or a manufacturer's data sheet as a range of values, then the highest density value of the range must be used for the determination of compliance to this standard. This value must be entered on the finish log for each type of finish applied. You are not required to test the materials that you use, but the Administrator may require a test using EPA Method 24 (or another approved method) to confirm the reported density. However, if the results of an analysis by EPA Method 24 are different from the density determined by another means, the EPA Method 24 results will govern compliance determinations.

(b) You may use the weighted average of finish densities as determined in paragraph (a) of this section for each finish when you perform one of the actions listed in paragraphs (b)(1) and (2) of this section:

(1) Mix your own finishes on site.

§ 63.5400

40 CFR Ch. I (7-1-15 Edition)

(2) Mix new quantities of finish with previous quantities of finish that may have different densities.

(c) Equation 1 of this section may be used to determine the weighted average of finish densities, as follows:

$$\text{Average Weighted Density} = \frac{\sum_{i=1}^n \text{Mass}_i * \text{Density}_i}{\sum_{i=1}^n \text{Mass}_i} \quad (\text{Eq. 1})$$

Where:

Average Weighted Density = The average weighted density of applied finishes in pounds per gallon.

Mass = Pounds of finish ‘i’ applied.

Density = The density of finish ‘i’ in pounds per gallon.

n = Number of finish types applied.

§ 63.5400 How do I measure the quantity of leather processed?

(a) This section describes the information and procedures you must use to determine the quantity of leather processed at your affected source.

(1) To determine the surface area (i.e., quantity) of leather substrate processed each month at your source for each product process operation, follow the procedures in your plan for demonstrating compliance. You must consistently measure the surface area of processed leather substrate at one of the manufacturing locations listed in paragraph (a)(1)(i) or (ii) of this section:

(i) Measure the surface area of processed leather upon exiting the leather finishing operation.

(ii) Measure the surface area of processed leather upon shipment from the source.

(2) By the fifteenth of each month, you must determine the quantity of leather processed in 1,000’s of square feet for each product process operation during the previous month. After collecting data on the amount of leather processed for 12 months, you must also determine by the fifteenth of each month the annual total of leather processed in 1,000’s of square feet for each product process operation by summing the monthly quantities of leather processed in each product process operation

for the previous 12 months. The ‘‘annual total of leather processed’’ in each product process operation is used in Equation 1 of §63.5340 to calculate your allowable HAP loss as described in §63.5340. Your allowable HAP loss is then subsequently used to calculate your compliance ratio as described in §63.5330.

(b) To determine the surface area of leather processed at your source for each product process operation, you must use one of the methods listed in paragraphs (b)(1) and (2) of this section:

(1) Premeasured leather substrate sections being supplied by another manufacturer as an input to your finishing process.

(2) Measure the surface area of each piece of processed or shipped leather with a computer scanning system accurate to 0.1 square feet. The computer scanning system must be initially calibrated for minimum accuracy to the manufacturer’s specifications. For similar leather production runs, use an average based on a minimum of 500 pieces of leather in lieu of individual measurements.

(c) Except as provided in paragraph (d) of this section, you must include the surface area of each piece of processed leather only once when determining the monthly quantity of leather processed, regardless of the number of times a piece of leather is reprocessed through a portion of the finishing operations.

(d) If a piece of leather is completely stripped of all applied finishes and reprocessed through the entire finishing operation as if it were a new piece of leather, you may recount the surface

Environmental Protection Agency

§ 63.5420

area of leather reprocessed when determining the monthly quantity of leather processed.

NOTIFICATIONS, REPORTS, AND RECORDS

§ 63.5415 What notifications must I submit and when?

(a) In accordance with §§ 63.7(b) and (c) and 63.9(b) and (h) of the General Provisions, you must submit the one-time notifications listed in paragraphs (b) through (g) of this section.

(b) As specified in § 63.9(b)(2), if you start up your affected source before February 27, 2002, you must submit an Initial Notification not later than June 27, 2002.

(c) In the Initial Notification, include the items in paragraphs (c)(1) through (4) of this section:

(1) The name and address of the owner or operator.

(2) The physical address of the leather finishing operation.

(3) Identification of the relevant standard, such as the Leather Finishing Operations NESHAP, and compliance date.

(4) A brief description of the source including the types of leather product process operations and nominal operating capacity.

(d) As specified in § 63.9(b)(1) and (2), if you startup your new or reconstructed affected source on or after February 27, 2002, you must submit an Initial Notification not later than 120 calendar days after you become subject to this subpart.

(e) If you are required to conduct a performance test, you must submit a Notification of Intent to Conduct a Performance Test at least 60 calendar days before the performance test is scheduled to begin as required in § 63.7(b)(1).

(f) You must submit a Notification of Compliance Status report not later than 60 calendar days after determining your initial 12-month compliance ratio. The notification of compliance status must contain the items in paragraphs (f)(1) through (5) of this section:

(1) The name and address of the owner or operator.

(2) The physical address of the leather finishing operation.

(3) Each type of leather product process operation performed during the previous 12 months.

(4) Each HAP identified under § 63.5390 in finishes applied during the 12-month period used for the initial compliance determination.

(5) A compliance status certification indicating whether the source complied with all of the requirements of this subpart throughout the 12-month period used for the initial source compliance determination. This certification must include the items in paragraphs (f)(5)(i) through (iii) of this section:

(i) The plan for demonstrating compliance, as described in § 63.5325, is complete and available on site for inspection.

(ii) You are following the procedures described in the plan for demonstrating compliance.

(iii) The compliance ratio value was determined to be less than or equal to 1.00, or the value was determined to be greater than 1.00.

(g) If your source becomes a major source on or after February 27, 2002, you must submit an initial notification not later than 120 days after you become subject to this subpart.

§ 63.5420 What reports must I submit and when?

(a) You must submit the first annual compliance status certification 12 months after you submit the Notification of Compliance Status. Each subsequent annual compliance status certification is due 12 months after the previous annual compliance status certification. The annual compliance status certification provides the compliance status for each month during the 12-month period ending 60 days prior to the date on which the report is due. Include the information in paragraphs (a)(1) through (5) of this section in the annual certification:

(1) The name and address of the owner or operator.

(2) The physical address of the leather finishing operation.

(3) Each type of leather product process operation performed during the 12-month period covered by the report.

(4) Each HAP identified under § 63.5390, in finishes applied during the 12-month period covered by the report.

§ 63.5425

40 CFR Ch. I (7-1-15 Edition)

(5) A compliance status certification indicating whether the source complied with all of the requirements of this subpart throughout the 12-month period covered by the report. This certification must include the items in paragraphs (a)(5)(i) and (ii) of this section:

(i) You are following the procedures described in the plan for demonstrating compliance.

(ii) The compliance ratio value was determined to be less than or equal to 1.00, or the value was determined to be greater than 1.00.

(b) You must submit a Deviation Notification Report for each compliance determination you make in which the compliance ratio exceeds 1.00, as determined under § 63.5330. Submit the deviation report by the fifteenth of the following month in which you determined the deviation from the compliance ratio. The Deviation Notification Report must include the items in paragraphs (b)(1) through (4) of this section:

(1) The name and address of the owner or operator.

(2) The physical address of the leather finishing operation.

(3) Each type of leather product process operation performed during the 12-month period covered by the report.

(4) The compliance ratio comprising the deviation. You may reduce the frequency of submittal of the Deviation Notification Report if the responsible agency of these NESHAP does not object.

§ 63.5425 When must I start record-keeping to determine my compliance ratio?

(a) If you have a new or reconstructed affected source, you must start recordkeeping to determine your compliance ratio according to one of the schedules listed in paragraphs (a)(1) and (2) of this section:

(1) If the startup of your new or reconstructed affected source is before February 27, 2002, then you must start recordkeeping to determine your compliance ratio no later than February 27, 2002.

(2) If the startup of your new or reconstructed affected source is after February 27, 2002, then you must start recordkeeping to determine your com-

pliance ratio upon startup of your affected source.

(b) If you have an existing affected source, you must start recordkeeping to determine your compliance ratio no later than February 27, 2004.

(c) If you have a source that becomes a major source of HAP emissions after February 27, 2002, then you must start recordkeeping to determine your compliance ratio immediately upon submitting your Initial Notification, as required at § 63.5415(g).

§ 63.5430 What records must I keep?

You must satisfy the recordkeeping requirements in paragraphs (a) through (g) of this section by the compliance date specified in § 63.5295.

(a) You must keep the plan for demonstrating compliance as required at § 63.5325 onsite and readily available as long as the source is operational. If you make any changes to the plan for demonstrating compliance, then you must keep all previous versions of the plan and make them readily available for inspection for at least 5 years after each revision.

(b) You must keep a copy of each notification and report that you are required to submit in accordance with this subpart.

(c) You must keep records of performance tests in accordance with this subpart.

(d) You must record and maintain a continuous log of finish usage as specified at § 63.5335(b).

(e) You must maintain all necessary records to document the methods you used and the results of all HAP content measurements of each applied finish.

(f) For each leather product process operation, you must maintain a monthly log of the items listed in paragraphs (f)(1) and (2) of this section:

(1) Dates for each leather product process operation.

(2) Total surface area of leather processed for each leather product process operation.

(g) If you use an emission control device, you must keep records of monitoring data as specified at subpart SS of this part.

Environmental Protection Agency

§ 63.5460

§ 63.5435 In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to § 63.10(b)(1). You can keep the records offsite for the remaining 3 years.

OTHER REQUIREMENTS AND INFORMATION

§ 63.5450 What parts of the General Provisions apply to me?

Table 2 of this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you.

§ 63.5455 Who administers this subpart?

(a) This subpart can be administered by us, the United States Environmental Protection Agency (U.S. EPA), or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency has the primary authority to administer and enforce this subpart. You should contact your U.S. EPA Regional Office to find out if the authority to implement and enforce this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under subpart E of this part, the authorities contained in paragraph (c) of this section are retained by the Administrator of U.S. EPA and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are listed in paragraphs (c)(1) through (4) of this section:

(1) Approval of alternatives to the emission standards in § 63.5305 under § 63.6(g).

(2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f) and as defined in § 63.90.

(3) Approval of major alternatives to monitoring under § 63.8(f) and as defined in § 63.90.

(4) Approval of major alternatives to recordkeeping and reporting under § 63.10(f) and as defined in § 63.90.

§ 63.5460 What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act, § 63.2, and in this section as follows:

Area source means any stationary source of hazardous air pollutants that is not a major source as defined in this part.

Compliance ratio means the ratio of the actual HAP loss from the previous 12 months to the allowable HAP loss from the previous 12 months. Equation 1 in § 63.5330 is used to calculate this value. If the value is less than or equal to 1.00, the source is in compliance. If the value is greater than 1.00, the source is deviating from compliance.

Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(1) Fails to meet any requirement or obligation established by this subpart, including but not limited to any emission limits or work practice standards.

(2) Fails to meet any emission limits, operating limits, or work practice standards in this subpart during start-up, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart.

Drying means the process of removing all but equilibrium moisture from the leather. Drying methods currently in use include: toggling, hanging, pasting, and vacuum drying.

Finish add-on means the amount of solid material deposited on the leather substrate due to finishing operations. Typically, the solid deposition is a dye or other chemical used to enhance the color and performance of the leather. Finish add-on is quantified as mass per surface area of substrate, such as grams of finish add-on per square foot of leather substrate.

Hazardous air pollutants (HAP) means any substance or mixture of substances

listed as a hazardous air pollutant under section 112(b) of the Clean Air Act.

Leather means the pelt or hide of an animal which has been transformed by a tanning process into a nonputrescible and useful material.

Leather finishing means a single process or group of processes used to adjust and improve the physical and aesthetic characteristics of the leather surface through the multistage application of a coating comprised of dyes, pigments, film-forming materials, and performance modifiers dissolved or suspended in liquid carriers.

Leather substrate means a nonputrescible leather surface intended for the application of finishing chemicals and materials. The leather substrate may be a continuous piece of material such as side leather or may be a combination of smaller leather pieces and leather fibers, which when joined together, form an integral composite leather material.

Leather tanning means the processes, commonly referred to as wet operations, used to purify and stabilize the collagen content of the hide. Wet operations are divided into three phases, the beamhouse (includes soaking and unhairing); the tanyard (includes bating, pickling, tanning, trimming/siding, and splitting); and the coloring department (includes retanning, coloring, and atliquoring operations).

Month means that all references to a month in this subpart refer to a calendar month.

Nonwater-resistant leather means non-upholstery leather that is not treated with any type of waterproof finish and, thus, cannot withstand 5,000 Maeser Flexes with a Maeser Flex Testing Machine or a method approved by the Administrator prior to initial water penetration. This leather is typically used for dress shoes, handbags, and garments.

Product process operation means any one of the four leather production classifications developed for ease of compliance with this subpart. The four leather product process operations are as follows: upholstery leather with greater than or equal to 4 grams finish add-on per square foot, upholstery leather with less than 4 grams finish

add-on per square foot, water-resistant/specialty leather, and nonwater-resistant leather.

Specialty leather means a select grade of chrome tanned, bark retanned, or fat liquored leather that is retanned through the application of grease, waxes, and oil in quantities greater than 12 percent of the dry leather weight or high-quality dress or performance shoe leather that can withstand one or more of the following visual tests: moisture injection into the leather using vacuum mulling without signs of blistering, or prolonged ironing at 200 °F for smoothing out surface roughness without finish lift off. Specialty leather is also finished with higher solvent-based finishes that provide rich color, luster, or an oily/tacky feel. Specialty leather products are generally low volume, high-quality leather, such as specialty shoe leather and top grade football leathers.

Upholstery leather (greater than or equal to 4 grams finish add-on per square foot) means an upholstery leather with a final finish add-on to leather ratio of 4 or more grams of finish per square foot of leather. These types of finishes are used primarily for automobile seating covers. These finishes tend to be aqueous-based.

Upholstery leather (less than 4 grams finish add-on per square foot) means an upholstery leather with a final finish add-on to leather ratio of less than 4 grams of finish per square foot of leather. These types of finishes are typically used for furniture seating covers. The finishes tend to be solvent-based and leave a thinner, softer, and more natural leather texture.

Vacuum mulling means the injection of water into the leather substrate using a vacuum process to increase the moisture content of the leather.

Water-resistant leather means non-upholstery leather that has been treated with one or more waterproof finishes such that the leather can withstand 5,000 or more Maeser Flexes with a Maeser Flex Testing Machine or a method approved by the Administrator prior to initial water penetration. This leather is used for outerwear, boots and outdoor applications.

[67 FR 9162, Feb. 27, 2002, as amended at 70 FR 6360, Feb. 7, 2005]

Environmental Protection Agency

Pt. 63, Subpt. TTTT, Table 2

FIGURE 1 TO SUBPART TTTT OF PART 63—EXAMPLE LOGS FOR RECORDING LEATHER FINISH USE AND HAP CONTENT

Month: _____

Year: _____

FINISH INVENTORY LOG

Finish type	Finish usage (pounds)	HAP Content (mass fraction)	Date and time	Operator's name	Product process operation

MONTHLY SUMMARY OF FINISH USAGE

	Upholstery leather (≥4 grams)	Upholstery leather (<4 grams)	Water-resistant/specialty leather	Nonwater-resistant leather
Number of Entries.				
Total Finish Usage (pounds).				
Total HAP Usage (pounds).				

TABLE 1 TO SUBPART TTTT OF PART 63—LEATHER FINISHING HAP EMISSION LIMITS FOR DETERMINING THE ALLOWABLE HAP LOSS

As required in §§ 63.5305 and 63.5340(b), you must meet the appropriate emission limits in the following table:

Type of Leather Product Process Operation	HAP Emission Limit (pounds of HAP loss per 1,000 square feet of leather processed)	
	Existing sources	New sources
1. Upholstery Leather (≥4 grams add-on/square feet)	2.6	0.5
2. Upholstery Leather (<4 grams add-on/square feet)	6.8	2.5
3. Water-resistant (≥5,000 Maeser Flexes)/Specialty Leather	5.6	4.9
4. Nonwater-resistant Leather (<5,000 Maeser Flexes)	3.7	2.1

TABLE 2 TO SUBPART TTTT OF PART 63—LEATHER FINISHING HAP EMISSION LIMITS FOR DETERMINING THE ALLOWABLE HAP LOSS

As required in § 63.5450, you must meet the appropriate NESHAP General Provision requirements in the following table:

General provisions citation	Subject of citation	Brief description of requirement	Applies to subpart	Explanation
§ 63.1	Applicability	Initial applicability determination; applicability after standard established; permit requirements; extensions, notifications.	Yes	Except as specifically provided in this subpart.
§ 63.2	Definitions	Definitions for Part 63 standards.	Yes	
§ 63.3	Units and abbreviations.	Units and abbreviations for Part 63 standards.	Yes	
§ 63.4	Prohibited activities and circumvention.	Prohibited activities; compliance date; circumvention, severability.	Yes	
§ 63.5	Construction/reconstruction.	Applicability; applications; approvals.	Yes	Except for paragraphs of § 63.5 as listed below.
§ 63.5(c)	[Reserved]			All sources emit HAP. Subpart TTTT does not require control from specific emission points.
§ 63.5(d)(1)(ii)(H) ..	Application for approval.	Type and quantity of HAP, operating parameters.	No	
§ 63.5(d)(1)(i)	[Reserved]			

Pt. 63, Subpt. TTTT, Table 2

40 CFR Ch. I (7–1–15 Edition)

General provisions citation	Subject of citation	Brief description of requirement	Applies to subpart	Explanation
§ 63.5(d)(1)(iii), (d)(2), (d)(3)(ii).	.....	Application for approval ..	No	The requirements of the application for approval for new and reconstructed sources are described in § 63.5320(b). General provision requirements for identification of HAP emission points or estimates of actual emissions are not required. Descriptions of control and methods, and the estimated and actual control efficiency of such do not apply. Requirements for describing control equipment and the estimated and actual control efficiency of such equipment apply only to control equipment to which the subpart TTTT requirements for quantifying solvent destroyed by an add-on control device would be applicable.
§ 63.6	Applicability of general provisions.	Applicability of general provisions.	Yes	Except for paragraphs of § 63.6 as listed below.
§ 63.6(b)(1)–(3)	Compliance dates, new and reconstructed sources.	.....	No	Section § 63.5283 specifies the compliance dates for new and reconstructed sources.
§ 63.6(b)(6)	[Reserved]	.....	.....	.....
§ 63.6(c)(3)–(4)	[Reserved]	.....	.....	.....
§ 63.6(d)	[Reserved]	.....	.....	.....
§ 63.6(e)	Operation and maintenance requirements.	.....	Yes	Except for subordinate paragraphs of § 63.6(e) as listed below.
§ 63.6(e)(3)	Operation and maintenance requirements.	Startup, shutdown, and malfunction plan requirements.	No	Subpart TTTT does not have any startup, shutdown, and malfunction plan requirements.
§ 63.6(f)–(g)	Compliance with nonopacity emission standards except during SSM.	Comply with emission standards at all times except during SSM.	No	Subpart TTTT does not have non-opacity requirements.
§ 63.6(h)	Opacity/visible emission (VE) standards.	.....	No	Subpart TTTT has no opacity or visual emission standards.
§ 63.6(i)	Compliance extension.	Procedures and criteria for responsible agency to grant compliance extension.	Yes	
§ 63.6(j)	Presidential compliance exemption.	President may exempt source category from requirement to comply with subpart.	Yes	
§ 63.7	Performance testing requirements.	Schedule, conditions, notifications and procedures.	Yes	Except for paragraphs of § 63.7 as listed below. Subpart TTTT requires performance testing only if the source applies additional control that destroys solvent. § 63.5311 requires sources to follow the performance testing guidelines of the General Provisions if a control is added.
§ 63.7(a)(2) (i) and (iii).	Performance testing requirements.	Applicability and performance dates.	No	§ 63.5310(a) of subpart TTTT specifies the requirements of performance testing dates for new and existing sources.
§ 63.8	Monitoring requirements.	.....	No	Subpart TTTT does not require monitoring other than as specified therein.
§ 63.9	Notification requirements.	Applicability and State delegation.	Yes	Except for paragraphs of § 63.9 as listed below.
§ 63.9(e)	Notification of performance test.	Notify responsible agency 60 days ahead.	Yes	Applies only if performance testing is performed.
§ 63.9(f)	Notification of VE/opacity observations.	Notify responsible agency 30 days ahead.	No	Subpart TTTT has no opacity or visual emission standards.

Environmental Protection Agency

§ 63.5485

General provisions citation	Subject of citation	Brief description of requirement	Applies to subpart	Explanation
§ 63.9(g)	Additional notifications when using a continuous monitoring system (CMS).	Notification of performance evaluation; notification using COMS data; notification that exceeded criterion for relative accuracy.	No	Subpart TTTT has no CMS requirements.
§ 63.9(h)	Notification of compliance status.	Contents	No	§ 63.5320(d) specifies requirements for the notification of compliance status.
§ 63.10	Recordkeeping/reporting.	Schedule for reporting, record storage.	Yes	Except for paragraphs of § 63.10 as listed below.
§ 63.10(b)(2)	Recordkeeping	Record startup, shutdown, and malfunction events.	No	Subpart TTTT has no recordkeeping requirements for startup, shutdown, and malfunction events.
§ 63.10(c)	Recordkeeping	Additional CMS recordkeeping.	No	Subpart TTTT does not require CMS.
§ 63.10(d)(2)	Reporting	Reporting performance test results.	Yes	Applies only if performance testing is performed.
§ 63.10(d)(3)	Reporting	Reporting opacity or VE observations.	No	Subpart TTTT has no opacity or visible emission standards.
§ 63.10(d)(4)	Reporting	Progress reports	Yes	Applies if a condition of compliance extension.
§ 63.10(d)(5)	Reporting	Startup, shutdown, and malfunction reporting.	No	Subpart TTTT has no startup, shutdown, and malfunction reporting requirements.
§ 63.10(e)	Reporting	Additional CMS reports ...	No	Subpart TTTT does not require CMS.
§ 63.11	Control device requirements.	Requirements for flares ..	Yes	Applies only if your source uses a flare to control solvent emissions. Subpart TTTT does not require flares.
§ 63.12	State authority and delegations.	State authority to enforce standards.	Yes	
§ 63.13	State/regional addresses.	Addresses where reports, notifications, and requests are sent.	Yes	
§ 63.14	Incorporation by reference.	Test methods incorporated by reference.	Yes	
§ 63.15	Availability of information and confidentiality.	Public and confidential information.	Yes	

Subpart UUUU—National Emission Standards for Hazardous Air Pollutants for Cellulose Products Manufacturing

SOURCE: 67 FR 40055, June 11, 2002, unless otherwise noted.

WHAT THIS SUBPART COVERS

§ 63.5480 What is the purpose of this subpart?

This subpart establishes emission limits, operating limits, and work practice standards for hazardous air pollutants (HAP) emitted from cellulose products manufacturing operations. Carbon disulfide, carbonyl sulfide, ethylene oxide, methanol, methyl chloride, propylene oxide, and toluene are the HAP emitted in the greatest quantities from cellulose products

manufacturing operations. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limits, operating limits, and work practice standards.

§ 63.5485 Am I subject to this subpart?

You are subject to this subpart if you own or operate a cellulose products manufacturing operation that is located at a major source of HAP emissions.

(a) Cellulose products manufacturing includes both the Miscellaneous Viscose Processes source category and the Cellulose Ethers Production source category. The Miscellaneous Viscose Processes source category includes all of the operations that use the viscose process. These operations include the cellulose food casing, rayon, cellulosic sponge, and cellophane operations, as