

Environmental Protection Agency

§ 63.4291

(5) All equipment, structures, and/or devices(s) used to convey, treat, or dispose of wastewater streams or residuals generated by a dyeing or finishing operation.

(e) An affected source is a new source if it meets the criteria in paragraph (e)(1) of this section and the criteria in either paragraph (e)(2) or (3) of this section.

(1) You commenced the construction of the source after July 11, 2002.

(2) The web coating and printing, slashing, or dyeing and finishing operation is performed at a source where no web coating and printing, slashing, or dyeing and finishing operation was previously performed.

(3) The web coating and printing, slashing, or dyeing and finishing operation is performed in a subcategory in which no web coating and printing, slashing, or dyeing and finishing operation was previously performed.

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

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

§ 63.4283 When do I have to comply with this subpart?

The date by which you must comply with this subpart is called the compliance date. The compliance date for each type of affected source is specified in paragraphs (a) through (c) of this section. The compliance date begins the initial compliance period during which you conduct the initial compliance demonstration described in §§ 63.4320, 63.4330, 63.4340, and 63.4350.

(a) For a new or reconstructed affected source, the compliance date is the applicable date in paragraph (a)(1) or (2) of this section:

(1) If the initial startup of your new or reconstructed affected source is before May 29, 2003, the compliance date is May 29, 2003.

(2) If the initial startup of your new or reconstructed affected source occurs after May 29, 2003, the compliance date is the date of initial startup of your affected source.

(b) For an existing affected source, the compliance date is the date 3 years after May 29, 2003.

(c) For an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP emissions, the compliance date is specified in paragraphs (c)(1) and (2) of this section.

(1) For any portion of the source that becomes a new or reconstructed affected source subject to this subpart, the compliance date is the date of initial startup of the affected source or May 29, 2003, whichever is later.

(2) For any portion of the source that becomes an existing affected source subject to this subpart, the compliance date is the date 1 year after the area source becomes a major source or 3 years after May 29, 2003, whichever is later.

(d) You must meet the notification requirements in § 63.4310 according to the dates specified in that section and in subpart A of this part. Some of the notifications must be submitted before the compliance dates described in paragraphs (a) through (c) of this section.

EMISSION LIMITATIONS

§ 63.4290 What emission limits must I meet?

You must meet the emission limit for the subcategory or subcategories present in your facility. The three subcategories are: Web coating and printing, slashing, and dyeing and finishing. Table 1 to this subpart presents the emission limits for a new or reconstructed affected source and for an existing affected source in each subcategory.

§ 63.4291 What are my options for meeting the emission limits?

You must include all regulated materials (as defined in § 63.4371) used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in Table 1 to this subpart. To make this determination, you must use at least one of the compliance options for the subcategory listed in paragraphs (a) through (c) of this section.

(a) *Web coating and printing.* You may apply any one of the compliance options in paragraphs (a)(1) through (5) of

this section to an individual web coating/printing operation, or to multiple web coating/printing operations in the affected source as a group, or to the entire affected source in the web coating and printing subcategory. You may use different compliance options for different web coating/printing operations or at different times on the same web coating/printing operation. However, you may not use different compliance options at the same time on the same web coating/printing operation. If you switch between compliance options for any web coating/printing operation or group of operations, you must document this switch as required by § 63.4312(c), and you must report it in the next semiannual compliance report required in § 63.4311.

(1) *Compliant material option.* Demonstrate that the organic HAP content, as purchased, of each coating and printing material applied in the web coating/printing operation(s) is less than or equal to the applicable emission limit in Table 1 to this subpart, and that each thinning and cleaning material as purchased contains no organic HAP (as defined in § 63.4371). You must meet all the requirements of §§ 63.4320, 63.4321, and 63.4322 to demonstrate compliance with the applicable emission limit using this option.

(2) *Emission rate without add-on controls option.* Demonstrate that, based on the regulated materials applied in the web coating/printing operation(s), the organic HAP emission rate for the web coating/printing operation(s) is less than or equal to the applicable emission limit in Table 1 to this subpart, calculated as a rolling 12-month average emission rate. You must meet all the requirements of §§ 63.4330, 63.4331, and 63.4332 to demonstrate compliance with the applicable emission limit using this option.

(3) *Emission rate with add-on controls option.* Demonstrate that, based on the regulated materials applied in the web coating/printing operation(s) and the organic HAP emissions reductions achieved by emission capture systems and add-on controls, the organic HAP emission rate for the web coating/printing operation(s) is less than or equal to the applicable emission limit in Table 1 to this subpart, calculated as

a rolling 12-month average emission rate. If you use this compliance option, you must also demonstrate that all capture systems and control devices for the web coating/printing operation(s) meet the operating limits required in § 63.4292, except for solvent recovery systems for which you conduct liquid-liquid material balances according to § 63.4341(e)(5), and that you meet the work practice standards required in § 63.4293. You must meet all the requirements of §§ 63.4340 through 63.4342 and 63.4360 through 63.4364 to demonstrate compliance with the emission limits, operating limits, and work practice standards using this option.

(4) *Organic HAP overall control efficiency option.* Demonstrate that, based on the organic HAP emission capture and add-on control efficiencies achieved, the organic HAP overall control efficiency is greater than or equal to the applicable organic HAP overall control efficiency limit in Table 1 to this subpart. If you use this compliance option, you must also demonstrate that all capture systems and control devices for the web coating/printing operation(s) meet the operating limits required in § 63.4292, except for solvent recovery systems for which you conduct liquid-liquid material balances according to § 63.4351(d)(5), and that you meet the work practice standards required in § 63.4293. You must meet all the requirements of §§ 63.4350 through 63.4352 and 63.4360 through 63.4364 to demonstrate compliance with the applicable emission limits, operating limits, and work practice standards using this option.

(5) *Oxidizer outlet organic HAP concentration limit.* If you use an oxidizer to control organic HAP emissions, demonstrate that the oxidizer is operated such that the outlet organic HAP concentration is no greater than 20 parts per million by volume (ppmv) on a dry basis, and that the efficiency of the capture system is 100 percent. If you use this compliance option, you must also demonstrate that all capture systems and oxidizers for the web coating/printing operation(s) meet the operating limits required in § 63.4292, and that you meet the work practice standards required in § 63.4293. You must meet all the requirements of §§ 63.4350

through 63.4352 and 63.4360 through 63.4364 to demonstrate compliance with the applicable emission limits, operating limits, and work practice standards using this option.

(b) *Slashing*. You must use the compliant material option to demonstrate that the mass fraction of organic HAP in each slashing material as purchased for the slashing operation(s) is less than or equal to the applicable emission limit in Table 1 to this subpart. You must meet all the requirements of §§ 63.4320, 63.4321, and 63.4322 to demonstrate compliance with the applicable emission limit.

(c) *Dyeing and Finishing*. You may apply any one of the compliance options in paragraphs (c)(1) through (3) of this section to an individual dyeing/finishing operation, or to multiple dyeing/finishing operations in the affected source as a group, or to the entire affected source in the dyeing and finishing subcategory. You may use different compliance options for different dyeing/finishing operations or at different times on the same dyeing/finishing operation. However, you may not use different compliance options at the same time on the same dyeing/finishing operation. If you switch between compliance options for any dyeing/finishing operation or group of operations, you must document this switch as required by § 63.4312(c), and you must report it in the next semiannual compliance report required in § 63.4311. If you choose to apply the compliance option in paragraph (c)(4) to your dyeing/finishing operations, it must be applied to the entire affected source in the dyeing and finishing subcategory. You may not apply any of the compliance options in paragraphs (c)(1) through (3) of this section to any dyeing/finishing operation in the affected source if you use the equivalent emission rate limit in paragraph (c)(4) for your dyeing/finishing affected source.

(1) *Compliant material option*. Demonstrate that the mass fraction of organic HAP, as purchased, of each dyeing and finishing material applied in the dyeing/finishing operation(s) is less than or equal to the applicable emission limit in Table 1 to this subpart. You must meet all the requirements of §§ 63.4320, 63.4321, and 63.4322 to dem-

onstrate compliance with the applicable emission limit using this option.

(2) *Emission rate without add-on controls option*. Demonstrate that, based on the dyeing and finishing materials applied in the dyeing/finishing operation(s), the organic HAP emission rate for the dyeing operation(s), the organic HAP emission rate for the finishing operation(s) or the combined organic HAP emission rate for dyeing and finishing is less than or equal to the applicable emission limit(s) in Table 1 to this subpart, calculated as a rolling 12-month average emission rate. You must meet all the requirements of §§ 63.4330, 63.4331, and 63.4332 to demonstrate compliance with the applicable emission limit(s) using this option.

(3) *Emission rate with add-on controls option*. Demonstrate that, based on the dyeing and finishing materials applied in the dyeing/finishing operation(s) and the organic HAP emissions reductions achieved by emission capture systems and add-on controls, the organic HAP emission rate for the dyeing/finishing operation(s) is less than or equal to the applicable emission limit in Table 1 to this subpart, calculated as a rolling 12-month average emission rate. If you use this compliance option, you must also demonstrate that all capture systems and control devices for the dyeing/finishing operation(s) meet the operating limits required in § 63.4292, except for solvent recovery systems for which you conduct liquid-liquid material balances according to § 63.4341(f)(5), and that you meet the work practice standards required in § 63.4293. You must meet all the requirements of §§ 63.4340 through 63.4342 and 63.4360 through 63.4364 to demonstrate compliance with the emission limits, operating limits, and work practice standards using this option.

(4) *Equivalent emission rate option*. Demonstrate that the dyeing and finishing affected source meets all the requirements of paragraphs (4)(i) through (iv) of this paragraph.

(i) The fraction of organic HAP applied in your dyeing/finishing affected source that is discharged to the wastewater is at least 90 percent, determined according to § 63.4331(d).

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(ii) The wastewater is discharged to a POTW or onsite secondary wastewater treatment.

(iii) The total organic HAP emissions from your dyeing/finishing affected source are less than 10 tons per year, as calculated in Equation 4 of § 63.4331.

(iv) You must meet the applicable requirements of § 63.4330 and maintain records in accordance with § 63.4312(c)(2)(iv) to demonstrate compliance with the equivalent emission rate option.

§ 63.4292 What operating limits must I meet?

(a) For any web coating/printing operation, slashing operation, or dyeing/finishing operation on which you use the compliant material option; web coating/printing operation or dyeing/finishing operation on which you use the emission rate without add-on controls option; or dyeing/finishing affected source on which you use the equivalent emission rate limit option, you are not required to meet any operating limits.

(b) For any controlled web coating/printing operation or dyeing/finishing operation on which you use the emission rate with add-on controls option, or controlled web coating/printing operation on which you use the organic HAP overall control efficiency option or the oxidizer outlet organic HAP concentration option, except those web coating/printing operations for which you use a solvent recovery system and conduct a liquid-liquid material balance according to § 63.4341(e)(5) and those dyeing/finishing operations for which you use a solvent recovery system and conduct a liquid-liquid material balance according to § 63.4341(f)(5), you must meet the operating limits specified in Table 2 of this subpart. These operating limits apply to the emission capture and control systems on the web coating/printing operation(s) and dyeing/finishing operations for which you use this option, and you must establish the operating limits during the performance test according to the procedures in § 63.4363. You must meet the operating limits at all times after you establish them.

(c) If you use an add-on control device other than those listed in Table 2

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of this subpart, or wish to monitor an alternative parameter and comply with a different operating limit, you must apply to the Administrator for approval of alternative monitoring under § 63.8(f).

§ 63.4293 What work practice standards must I meet?

(a) For any slashing operation, you are not required to meet any work practice standards. For any web coating/printing operation(s) or dyeing/finishing operation(s) on which you use the compliant material option or the emission rate without add-on controls option, you are not required to meet any work practice standards. For any dyeing/finishing affected source on which you use the equivalent emission rate option, you are not required to meet any work practice standards.

(b) If you use either the emission rate with add-on controls option, the organic HAP overall control efficiency option, or the oxidizer outlet organic HAP concentration option for a web coating/printing operation; or you use the emission rate with add-on controls option for a dyeing/finishing operation; you must develop and implement a work practice plan to minimize organic HAP emissions from the storage, mixing, and conveying of regulated materials used in, and waste materials generated by, the coating/printing or dyeing/finishing operations for which you use this option; or you must meet an alternative standard as provided in paragraph (c) of this section. The plan must specify practices and procedures to ensure that, at a minimum, the elements specified in paragraphs (b)(1) through (5) of this section are implemented.

(1) All organic-HAP-containing regulated materials and waste materials must be stored in closed containers.

(2) Spills of organic-HAP-containing regulated materials, and waste materials must be minimized.

(3) Organic-HAP-containing regulated materials and waste materials must be conveyed from one location to another in closed containers or pipes.