

Environmental Protection Agency

§ 63.8830

alternative method, or other reasonable means of determining the mass percent of total HAP for each adhesive used at the affected source.

§ 63.8822 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 on site 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

§ 63.8826 What parts of the General Provisions apply to me?

Table 7 to this subpart shows which sections of the General Provisions in §§ 63.1 through 63.15 apply to you.

§ 63.8828 Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by us, the U.S. 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, in addition to the U.S. EPA, has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out if implementation and enforcement of 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 40 CFR part 63, subpart E, 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 in paragraphs (c)(1) through (4) that cannot be delegated to State, local, or tribal agencies are as follows:

(1) Approval of alternatives to requirements in §§ 63.8780, 63.8782, 63.8784, 63.8786, and 63.8790.

(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.

§ 63.8830 What definitions apply to this subpart?

Terms used in this subpart are defined in the CAA, in 40 CFR 63.2, and in this section as follows:

Adhesive means any chemical substance that is applied for the purpose of bonding foam to foam, foam to fabric, or foam to any other substrate, other than by mechanical means. Products used on humans and animals, adhesive tape, contact paper, or any other product with an adhesive incorporated onto it in an inert substrate shall not be considered adhesives under this subpart.

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 limitation (including any operating limit); or

(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(3) Fails to meet any emission limitation (including any operating limit) in this subpart during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart.

Emission limitation means any emission limit or operating limit.

Flame lamination means the process of bonding flexible foam to one or more

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layers of material by heating the foam surface with an open flame.

Flame lamination line means the flame laminator and associated rollers.

HAP-based adhesive means an adhesive containing 5 percent (by weight) or more of HAP, according to EPA Method 311 (appendix A to 40 CFR part 63) or another approved alternative.

Loop slitter means a machine used to create thin sheets of foam from the large blocks of foam or “buns” created at a slabstock flexible polyurethane foam production plant.

Research and development process means a laboratory or pilot plant operation whose primary purpose is to conduct research and development into new processes and products where the operations are under the close supervision of technically trained personnel, and which is not engaged in the manufacture of products for commercial sale, except in a *de minimis* manner.

Responsible official means responsible official as defined in 40 CFR 70.2.

TABLE 1 TO SUBPART M M M M M OF PART 63—EMISSION LIMITS

As stated in §63.8790(a), you must comply with the emission limits in the following table:

For . . .	You must . . .
1. Each existing, new, or reconstructed loop slitter adhesive use affected source.	Not use any HAP-based adhesives.
2. Each new or reconstructed flame lamination affected source	Reduce HAP emissions by 90 percent.
3. Each existing flame lamination affected sources	There are no emission limits for existing flame lamination sources. However, you must submit an initial notification per §63.8816(b).

TABLE 2 TO SUBPART M M M M M OF PART 63—OPERATING LIMITS FOR NEW OR RECONSTRUCTED FLAME LAMINATION AFFECTED SOURCES

As stated in §63.8790(b), you must comply with the operating limits in the following table:

For each . . .	You must . . .
1. Scrubber	a. Maintain the daily average scrubber inlet liquid flow rate above the minimum value established during the performance test. b. Maintain the daily average scrubber effluent pH within the operating range value established during the performance test. c. If you use a venturi scrubber, maintain the daily average pressure drop across the venturi within the operating range value established during the performance test.
2. Other type of control device to which flame lamination emissions are ducted.	Maintain your operating parameter(s) within the ranges established during the performance test and according to your monitoring plan.

TABLE 3 TO SUBPART M M M M M OF PART 63—PERFORMANCE TEST REQUIREMENTS FOR NEW OR RECONSTRUCTED FLAME LAMINATION AFFECTED SOURCES

As stated in §63.8800, you must comply with the requirements for performance tests for new or reconstructed flame lamination affected sources in the following table using the requirements in rows 1 through 5 of the table if you are measuring HCl and using a scrubber, row 6 if you are measuring HCN and using a scrubber, and row 7 if you are using any other control device.

For each new or reconstructed flame lamination affected source, you must . . .	Using . . .	According to the following requirements . . .
1. Select sampling port's location and the number of traverse ports.	Method 1 or 1A in appendix A to part 60 of this chapter.	Sampling sites must be located at the inlet and outlet of the scrubber and prior to any releases to the atmosphere.
2. Determine velocity	Method 2, 2A, 2C, 2D, 2F, or 2G in appendix A to part 60 of this chapter.	

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For each new or reconstructed flame lamination affected source, you must . . .	Using . . .	According to the following requirements . . .
3. Determine gas molecular weight.	Not applicable	Assume a molecular weight of 29 (after moisture correction) for calculation purposes.
4. Measure moisture content of the stack gas.	Method 4 in appendix A to part 60 of this chapter.	
5. Measure HCl concentration if you use chlorinated fire retardants in the laminated foam.	a. Method 26A in appendix A to part 60 of this chapter.	i. Measure total HCl emissions and determine the reduction efficiency of the control device using Method 26A. ii. Collect scrubber liquid flow rate, scrubber effluent pH, and pressure drop (pressure drop data only required for venturi scrubbers) every 15 minutes during the entire duration of each 1-hour test run, and determine the average scrubber liquid flow rate, scrubber effluent pH, and pressure drop (pressure drop data only required for Venturi scrubbers) over the period of the performance test by computing the average of all of the 15-minute readings.
6. Measure HCN concentration if you do not use chlorinated fire retardants in the laminated foam.	a. A method approved by the Administrator.	i. Conduct the performance test according to the site-specific test plan submitted according to § 63.7(c)(2)(i). Measure total HCN emissions and determine the reduction efficiency of the control device. Any performance test which measures HCN concentrations must be submitted for the administrator's approval prior to testing. You must use EPA Method 301 (40 CFR part 63, Appendix A) to validate your method. ii. Collect scrubber liquid flow rate, scrubber effluent pH, and pressure drop (pressure drop data only required for venturi scrubbers) every 15 minutes during the entire duration of each 1-hour test run, and determine the average scrubber liquid flow rate, scrubber effluent pH, and pressure drop (pressure drop data only required for venturi scrubbers) over the period of the performance test by computing the average of all of the 15-minute readings.
7. Determine control device efficiency and establish operating parameter limits with which you will demonstrate continuous compliance with the emission limit that applies to the source if you use any control device other than a scrubber.	a. EPA-approved methods and data from the continuous parameter monitoring system.	i. Conduct the performance test according to the site-specific test plan submitted according to § 63.7(c)(2)(i). ii. Collect operating parameter data as specified in the site-specific test plan.

TABLE 4 TO SUBPART M OF PART 63—INITIAL COMPLIANCE WITH EMISSION LIMITS

As stated in § 63.8806, you must comply with the requirements to demonstrate initial compliance with the applicable emission limits in the following table:

For . . .	For the following emission limit . . .	You have demonstrated initial compliance if . . .
1. Each new, reconstructed, or existing loop slitter adhesive use affected source.	Eliminate use of HAP-based adhesives ..	You do not use HAP-based adhesives.
2. Each new or reconstructed flame lamination affected source using a scrubber.	Reduce HAP emissions by 90 percent ...	The average HAP emissions, measured over the period of the performance test(s), are reduced by 90 percent.
3. Each new or reconstructed flame lamination affected source using any other control device emissions by.	Reduce HAP emissions by 90 percent ...	The average HAP emissions, measured over the period of the performance test(s), are reduced by 90 percent.

TABLE 5 TO SUBPART M OF PART 63—CONTINUOUS COMPLIANCE WITH EMISSION LIMITS AND OPERATING LIMITS

As stated in § 63.8812(a), you must comply with the requirements to demonstrate continuous compliance with the applicable emission limits or operating limits in the following table:

For . . .	For the following emission limits or operating limits . . .	You must demonstrate continuous compliance by . . .
1. Each new, reconstructed, or existing loop slitter affected source.	Eliminate use of HAP-based adhesives ..	Not using HAP-based adhesives.

For . . .	For the following emission limits or operating limits . . .	You must demonstrate continuous compliance by . . .
2. Each new or reconstructed flame lamination affected source using a scrubber.	a. Maintain the daily average scrubber inlet liquid flow rate above the minimum value established during the performance. b. Maintain the daily average scrubber effluent pH within the operating range established during the performance test. c. Maintain the daily average pressure drop across the venturi within the operating range established during the performance test. If you use another type of scrubber (e.g., packed bed or spray tower scrubber), monitoring pressure drop is not required.	i. Collecting the scrubber inlet liquid flow rate and effluent pH monitoring data according to § 63.8804(a) through (c). ii. Reducing the data to 1-hour and daily block averages according to the requirements in § 63.8804(a). iii. Maintaining each daily average scrubber inlet liquid flow rate above the minimum value established during the performance test. iv. Maintaining the daily average scrubber effluent pH within the operating range established during the performance test. v. If you use a venturi scrubber, maintaining the daily average pressure drop across the venturi within the operating range established during the performance test.
3. Each new or reconstructed flame lamination affected source using any other control device.	a. Maintain the daily average operating parameters above the minimum value established during the performance test, or within the range established during the performance test, as applicable.	i. Collected the operating parameter data according to the site-specific test plan. ii. Reducing the data to one-hour averages according to the requirements in § 63.8804(a). iii. Maintaining the daily average during the rate above the minimum value established during the performance test, or within the range established during the performance test, as applicable.

TABLE 6 TO SUBPART M M M M M OF PART 63—REQUIREMENTS FOR REPORTS

As stated in § 63.8818(a), you must submit a compliance report that includes the information in § 63.8818(e) through (g) as well as the information in the following table. Rows 1 and 3 of the following table apply to loop splitter affected sources. Rows 1 through 5 apply to flame lamination affected sources. You must also submit startup, shutdown, and malfunction reports according to the requirements in the following table if you own or operate a new or reconstructed flame lamination affected source.

If . . .	Then you must submit a report or statement that . . .
1. There are no deviations from any emission limitations that apply to you.	There were no deviations from the emission limitations during the reporting period.
2. There were no periods during which the operating parameter monitoring systems were out-of-control in accordance with the monitoring plan.	There were no periods during which the CPMS were out-of-control during the reporting period.
3. There was a deviation from any emission limitation during the reporting period.	Contains the information in § 63.8818(e)(5).
4. There were periods during which the operating parameter monitoring systems were out-of-control in information in accordance with the monitoring plan.	Contains the information in § 63.8818(f)(3).
5. There was a startup, shutdown, or malfunction where the source did not meet the emission limitations set out in § 63.8790 at a new or reconstructed flame lamination affected source during the reporting period that is not consistent with your startup, shutdown, and malfunction plan.	Contains the information in § 63.8818(i).

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TABLE 7 TO SUBPART M M M M M OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART M M M M M

As stated in §63.8826, you must comply with the applicable General Provisions requirements according to the following table:

Citation	Requirement	Applies to subpart M M M M M	Explanation
§ 63.1	Initial applicability determination; applicability after standard established; permit requirements; extensions; notifications.	Yes.	
§ 63.2	Definitions	Yes	Additional definitions are found in §63.8830.
§ 63.3	Units and abbreviations	Yes.	
§ 63.4	Prohibited activities; compliance date; circumvention, severability.	Yes.	
§ 63.5	Construction/reconstruction applicability; applications; approvals.	Yes.	
§ 63.6(a)	Compliance with standards and maintenance requirements-applicability.	Yes.	
§ 63.6(b)(1)–(4)	Compliance dates for new or reconstructed sources.	Yes	§63.8786 specifies compliance dates.
§ 63.6(b)(5)	Notification if commenced construction or reconstruction after proposal.	Yes.	
§ 63.6(b)(6)	[Reserved]	Yes.	
§ 63.6(b)(7)	Compliance dates for new or reconstructed area sources that become major.	Yes	§63.8786 specifies compliance dates.
§ 63.6(c)(1)–(2)	Compliance dates for existing sources.	Yes	§63.8786 specifies compliance dates.
§ 63.6(c)(3)–(4)	[Reserved]	Yes.	
§ 63.6(c)(5)	Compliance dates for existing area sources that become major.	Yes	§63.8786 specifies compliance dates.
§ 63.6(d)	[Reserved]	Yes.	
§ 63.6(e)(1)	Operation and maintenance requirements.	Yes.	
§ 63.6(e)(2)	[Reserved]	Yes.	
§ 63.6(e)(3)	Startup, shutdown, and malfunction plans.	Yes	Only applies to new or reconstructed flame lamination affected sources.
§ 63.6(f)(1)	Compliance except during SSM	Yes	Only applies to new or reconstructed flame lamination affected sources.
§ 63.6(f)(2)–(3)	Methods for determining compliance.	Yes.	
§ 63.6(g)	Use of an alternative nonopacity emission standard.	Yes.	
§ 63.6(h)	Compliance with opacity/visible emission standards.	No	Subpart M M M M M does not specify opacity or visible emission standards.
§ 63.6(i)	Extension of compliance with emission standards.	Yes.	
§ 63.6(j)	Presidential compliance exemption.	Yes.	
§ 63.7(a)(1)–(2)	Performance test dates	Yes	Except for loop splitter affected sources as specified in in §63.8798(a).
§ 63.7(a)(3)	Administrator's section 114 authority to require a performance test.	Yes.	
§ 63.7(b)	Notification of performance test and rescheduling.	Yes.	
§ 63.7(c)	Quality assurance program and site-specific test plans.	Yes.	
§ 63.7(d)	Performance testing facilities	Yes.	
§ 63.7(e)(1)	Conditions for conducting performance tests.	Yes.	

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Citation	Requirement	Applies to subpart MMMMM	Explanation
§ 63.7(f)	Use of an alternative test method.	Yes.	
§ 63.7(g)	Performance test data analysis, recordkeeping, and reporting.	Yes.	
§ 63.7(h)	Waiver of performance tests	Yes.	
§ 63.8(a)(1)-(2)	Applicability of monitoring requirements.	Yes	Unless otherwise specified, all of § 63.8 applies only to new or reconstructed flame lamination sources. Additional monitoring requirements for these sources are found in §§ 63.8794(f) and (g) and 63.8804.
§ 63.8(a)(3)	[Reserved]	Yes.	
§ 63.8(a)(4)	Monitoring with flares	No	Subpart MMMMM does not refer directly or indirectly to § 63.11.
§ 63.8(b)	Conduct of monitoring and procedures when there are multiple effluents and multiple monitoring systems.	Yes.	
§ 63.8(c)(1)-(3)	Continuous monitoring system (CMS) operation and maintenance.	Yes	Applies as modified by § 63.8794(f) and (g).
§ 63.8(c)(4)	Continuous monitoring system requirements during breakdown, out-of-control, repair, maintenance, and high-level calibration drifts.	Yes	Applies as modified by § 63.8794(g).
§ 63.8(c)(5)	Continuous opacity monitoring system (COMS) minimum procedures.	No	Subpart MMMMM does not have opacity or visible emission standards.
§ 63.8(c)(6)	Zero and high level calibration checks.	Yes	Applies as modified by § 63.8794(f).
§ 63.8(c)(7)-(8)	Out-of-control periods, including reporting.	Yes.	
§ 63.8(d)-(e)	Quality control program and CMS performance evaluation.	No	Applies as modified by § 63.8794(f) and (g).
§ 63.8(f)(1)-(5)	Use of an alternative monitoring method.	Yes.	
§ 63.8(f)(6)	Alternative to relative accuracy test.	No	Only applies to sources that use continuous emissions monitoring systems (CEMS).
§ 63.8(g)	Data reduction	Yes	Applies as modified by § 63.8794(g).
§ 63.9(a)	Notification requirements—applicability.	Yes.	
§ 63.9(b)	Initial notifications	Yes	Except § 63.8816(c) requires new or reconstructed affected sources to submit the application for construction or reconstruction required by § 63.9(b)(1)(iii) in lieu of the initial notification.
§ 63.9(c)	Request for compliance extension.	Yes.	
§ 63.9(d)	Notification that a new source is subject to special compliance requirements.	Yes.	
§ 63.9(e)	Notification of performance test	Yes.	
§ 63.9(f)	Notification of visible emissions/opacity test.	No	Subpart MMMMM does not have opacity or visible emission standards.
§ 63.9(g)(1)	Additional CMS notifications—date of CMS performance evaluation.	Yes.	
§ 63.9(g)(2)	Use of COMS data	No	Subpart MMMMM does not require the use of COMS.
§ 63.9(g)(3)	Alternative to relative accuracy testing.	No	Applies only to sources with CEMS.
§ 63.9(h)	Notification of compliance status	Yes.	
§ 63.9(i)	Adjustment of submittal deadlines.	Yes.	

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Citation	Requirement	Applies to subpart M	Explanation
§ 63.9(j)	Change in previous information	Yes.	
§ 63.10(a)	Recordkeeping/reporting applicability.	Yes.	
§ 63.10(b)(1)	General recordkeeping requirements.	Yes	§§ 63.8820 and 63.8822 specify additional recordkeeping requirements.
§ 63.10(b)(2)(i)–(xi)	Records related to startup, shutdown, and malfunction periods and CMS.	Yes	Only applies to new or reconstructed flame lamination affected sources.
§ 63.10(b)(2)(xii)	Records when under waiver	Yes.	
§ 63.10(b)(2)(xiii)	Records when using alternative to relative accuracy test.	No	Applies only to sources with CEMS.
§ 63.10(b)(2)(xiv)	All documentation supporting initial notification and notification of compliance status.	Yes	
§ 63.10(b)(3)	Recordkeeping requirements for applicability determinations.	Yes.	
§ 63.10(c)	Additional recordkeeping requirements for sources with CMS.	Yes	Applies as modified by § 63.8794(g).
§ 63.10(d)(1)	General reporting requirements	Yes	§ 63.8818 specifies additional reporting requirements.
§ 63.10(d)(2)	Performance test results	Yes	
§ 63.10(d)(3)	Opacity or visible emissions observations.	No	Subpart M does not specify opacity or visible emission standards.
§ 63.10(d)(4)	Progress reports for sources with compliance extensions.	Yes.	
§ 63.10(d)(5)	Startup, shutdown, and malfunction reports.	Yes	Only applies to new or reconstructed flame lamination affected sources.
§ 63.10(e)(1)	Additional CMS reports—general.	Yes	Applies as modified by § 63.8794(g).
§ 63.10(e)(2)(i)	Results of CMS performance evaluations.	Yes	Applies as modified by § 63.8794(g).
§ 63.10(e)(2)	Results of continuous opacity monitoring systems performance evaluations.	No	Subpart M does require the use of COMS.
§ 63.10(e)(3)	Excess emissions/CMS performance reports.	Yes	Only applies to new or reconstructed flame lamination affected sources.
§ 63.10(e)(4)	Continuous opacity monitoring system data reports.	No	Subpart M does not require the use of COMS.
§ 63.10(f)	Recordkeeping/reporting waiver	Yes	
§ 63.11.	Control device requirements—applicability.	No	Facilities subject to subpart M do not use flares as control devices.
§ 63.12	State authority and delegations	Yes	§ 63.8828 lists those sections of subparts M and A that are not delegated.
§ 63.13	Addresses	Yes.	
§ 63.14	Incorporation by reference	Yes	Subpart M does not incorporate any material by reference.
§ 63.15	Availability of information/confidentiality..	Yes.	