

(C) If you use the organic HAP overall control efficiency option, the calculations used to determine the organic HAP overall control efficiency for each compliance period in which a deviation occurred. You must submit the calculations that apply to you, including Equations 1, 1A, and 1B of § 63.4331; Equations 1, 1A, 1B, 1C, 2, 3, 3A, and 3B of § 63.4341; and Equation 1 of § 63.4351. You do not need to submit the background data supporting these calculations (e.g., test reports).

(D) The date and time that each malfunction of the capture system or add-on control devices started and stopped.

(E) A brief description of the CPMS.

(F) The date of the latest CPMS certification or audit.

(G) For each instance that the CPMS was inoperative, except for zero (low-level) and high-level checks, the date, time, and duration that the CPMS was inoperative; the cause (including unknown cause) for the CPMS being inoperative; and descriptions of corrective actions taken.

(H) For each instance that the CPMS was out-of-control, as specified in § 63.8(c)(7), the date, time, and duration that the CPMS was out-of-control; the cause (including unknown cause) for the CPMS being out-of-control; and descriptions of corrective actions taken.

(I) The date, time, and duration of each deviation from an operating limit in Table 2 to this subpart, and the date, time, and duration of any bypass of the add-on control device.

(J) A summary of the total duration of each deviation from an operating limit in Table 2 to this subpart and each bypass of the add-on control device during the semiannual reporting period and the total duration as a percent of the total source operating time during that semiannual reporting period.

(K) A breakdown of the total duration of the deviations from the operating limits in Table 2 to this subpart and bypasses of the add-on control device during the semiannual reporting period into those that were due to control equipment problems, process problems, other known causes, and other unknown causes.

(L) A summary of the total duration of CPMS downtime during the semiannual reporting period and the total duration of CPMS downtime as a percent of the total source operating time during that semiannual reporting period.

(M) A description of any changes in the CPMS, web coating/printing or dyeing/finishing operation, emission capture system, or add-on control device since the last semiannual reporting period.

(N) For deviations from the work practice standards, the number of deviations, and, for each deviation, a description of the deviation; the date, time, and duration of the deviation; and the actions you took to minimize emissions in accordance with § 63.4300(b). The description of the deviation must include a list of the affected sources or equipment for which the deviation occurred and the cause of the deviation (including unknown cause, if applicable).

(O) For deviations from an emission limit in Table 1 to this subpart or operating limit in Table 2 to this subpart, a statement of the cause of each deviation (including unknown cause, if applicable).

(P) For each deviation from an emission limit in Table 1 to this subpart or operating limit in Table 2 to this subpart, a list of the affected sources or equipment for which a deviation occurred, an estimate of the quantity of each regulated pollutant emitted over any emission limit in Table 1 to this subpart, and a description of the method used to estimate the emissions.

(8) *Deviations: Equivalent Emission Rate Option.* If you use the equivalent emission rate option, and there was a deviation from the operating scenarios, as defined in § 63.4371, used to demonstrate initial compliance, the semiannual compliance report must contain the information in paragraphs (a)(8)(i) through (iv) of this section.

(i) Before September 12, 2019, the beginning and ending dates of each compliance period during which the deviation occurred. On and after September 12, 2019, the beginning and ending dates of each compliance period during which the deviation occurred, the number of deviations during the compliance period, and, for each deviation, the date, time, and duration of the deviation; a list of the affected sources or equipment; and a statement of the cause of the deviation (including an unknown cause, if applicable).

* * * * *

(c) Before September 12, 2019, if you use one of the add-on control options in § 63.4291(a) or (c) and you have a startup, shutdown, or malfunction during the semiannual reporting period, you must submit the reports specified in paragraphs (c)(1) and (2) of this section. The reports specified in paragraphs (c)(1) and (2) of this section are not required on and after September 12, 2019.

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(d) Beginning no later than June 13, 2019, you must submit the results of the performance test required in paragraph

(b) of this section following the procedure specified in paragraphs (d)(1) through (3) of this section.

(1) For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (<https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>) at the time of the test, you must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). The CEDRI interface can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>). Performance test data must be submitted in a file format generated through the use of the EPA's ERT or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT website.

(2) For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test, you must submit the results of the performance test to the Administrator at the appropriate address listed in § 63.13, unless the Administrator agrees to or specifies an alternate reporting method.

(3) If you claim that some of the performance test information being submitted under paragraph (d)(1) of this section is confidential business information (CBI), you must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described in paragraph (d)(1) of this section.

(e) Beginning on March 15, 2021, the owner or operator shall submit the initial notifications required in § 63.9(b) and the notification of compliance status required in § 63.9(h) and § 63.4310(c) to the EPA via CEDRI. The CEDRI interface can be accessed through the EPA's CDX (<https://cdx.epa.gov/>). The owner or operator must upload to CEDRI an electronic copy of each applicable notification in portable document format (PDF). The applicable notification must be submitted by the deadline specified in this subpart,

regardless of the method in which the reports are submitted. Owners or operators who claim that some of the information required to be submitted via CEDRI is CBI shall submit a complete report generated using the appropriate form in CEDRI or an alternate electronic file consistent with the extensible markup language (XML) schema listed on the EPA's CEDRI website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

(f) Beginning on March 15, 2021, or once the reporting template has been available on the CEDRI website for 1 year, whichever date is later, the owner or operator shall submit the semiannual compliance report required in paragraph (a) of this section to the EPA via CEDRI. The CEDRI interface can be accessed through the EPA's CDX (<https://cdx.epa.gov>). The owner or operator must use the appropriate electronic template on the CEDRI website for this subpart or an alternate electronic file format consistent with the XML schema listed on the CEDRI website (<https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri>). The date report templates become available will be listed on the CEDRI website. If the reporting form for the semiannual compliance report specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate addresses listed in § 63.13. Once the form has been available in CEDRI for 1 year, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted. Owners or operators who claim that some of the information required to be submitted via CEDRI is CBI shall submit a complete report generated using the appropriate form in CEDRI or an alternate electronic file consistent with the XML schema listed on the EPA's CEDRI website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly

marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

(g) If you are required to electronically submit a report through CEDRI in the EPA's CDX, and due to a planned or actual outage of either the EPA's CEDRI or CDX systems within the period of time beginning 5 business days prior to the date that the submission is due, you will be or are precluded from accessing CEDRI or CDX and submitting a required report within the time prescribed, you may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. You must provide to the Administrator a written description identifying the date, time and length of the outage; a rationale for attributing the delay in reporting beyond the regulatory deadline to the EPA system outage; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported. In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved. The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(h) If you are required to electronically submit a report through CEDRI in the EPA's CDX and a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning 5 business days prior to the date the submission is due, the owner or operator may assert a claim of force majeure for failure to timely comply with the reporting requirement. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts

of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage). If you intend to assert a claim of force majeure, you must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. You must provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported. In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs. The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

■ 26. Section 63.4312 is amended by revising paragraphs (i), (j) introductory text, and (j)(1) and (2) to read as follows:

§ 63.4312 What records must I keep?

* * * * *

(1) Before September 12, 2019, you must keep records of the date, time, and duration of each deviation. On and after September 12, 2019, for each deviation from an emission limitation reported under § 63.4311(a)(5) through (8), a record of the information specified in paragraphs (i)(1) through (4) of this section, as applicable.

(1) The date, time, and duration of the deviation, as reported under § 63.4311(a)(5) through (8).

(2) A list of the affected sources or equipment for which the deviation occurred and the cause of the deviation, as reported under § 63.4311(a)(5) through (8).

(3) An estimate of the quantity of each regulated pollutant emitted over any applicable emission limit in Table 1 to this subpart or any applicable operating limit in Table 2 to this subpart, and a description of the method used to calculate the estimate, as reported under § 63.4311(a)(5) through (8). If you use the equivalent emission rate option to comply with this subpart, a record of the applicable information specified in § 63.4311(a)(8)(ii) through (iv) satisfies the recordkeeping requirement in this paragraph (i)(3).

(4) A record of actions taken to minimize emissions in accordance with § 63.4300(b) and any corrective actions

taken to return the affected unit to its normal or usual manner of operation.

(j) If you use the emission rate with add-on controls option, the organic HAP overall control efficiency option, or the oxidizer outlet organic HAP concentration option, you must also keep the records specified in paragraphs (j)(1) through (8) of this section.

(1) Before September 12, 2019, for each deviation, a record of whether the deviation occurred during a period of startup, shutdown, or malfunction. The record in this paragraph (j)(1) is not required on and after September 12, 2019.

(2) Before September 12, 2019, the records in § 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction. The records in this paragraph (j)(2) are not required on and after September 12, 2019.

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■ 27. Section 63.4313 is amended by revising paragraph (a) to read as follows:

§ 63.4313 In what form and for 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). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. Any records required to be maintained by this subpart that are in reports that were submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

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■ 28. Section 63.4321 is amended by revising paragraphs (e)(1)(i)(A), (e)(1)(ii) and (iv), and (e)(2)(i) to read as follows:

§ 63.4321 How do I demonstrate initial compliance with the emission limitations?

* * * * *

(e) * * *

(1) * * *

(i) * * *

(A) Count each organic HAP in Table 6 to this subpart that is measured to be present at 0.1 percent by mass or more and at 1.0 percent by mass or more for other compounds. For example, if toluene (not listed in Table 6 to this subpart) is measured to be 0.5 percent of the material by mass, you don't have to count it. Express the mass fraction of each organic HAP you count as a value truncated to no more than four places after the decimal point (e.g., 0.3791).

* * * * *

(ii) *Method 24 in appendix A-7 of part 60.* You may use Method 24 to determine the mass fraction of nonaqueous volatile matter and use that value as a substitute for mass fraction of organic HAP. As an alternative to using Method 24, you may use ASTM D2369-10 (R2015), "Test Method for Volatile Content of Coatings" (incorporated by reference, see § 63.14). For a multi-component coating with reactive chemicals, you may use Method 24 or ASTM D2369-10 (R2015) on the coating as applied to determine the mass fraction of nonaqueous volatile matter and use that value as a substitute for the mass fraction of organic HAP determined from the sum of organic HAP in each component.

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(iv) *Information from the supplier or manufacturer of the material.* You may rely on information other than that generated by the test methods specified in paragraphs (e)(1)(i) through (iii) of this section, such as manufacturer's formulation data, if it represents each organic HAP in Table 6 to this subpart that is present at 0.1 percent by mass or more and at 1.0 percent by mass or more for other compounds. For example, if toluene (not listed in Table 6 to this subpart) is 0.5 percent of the material by mass, you do not have to count it. If there is a disagreement between such information and results of a test conducted according to paragraphs (e)(1)(i) through (iii) of this section on coating, thinning, or cleaning material, then the test method results will take precedence. Information from the supplier or manufacturer of the printing, slashing, dyeing, or finishing material is sufficient for determining the mass fraction of organic HAP.

* * * * *

(2) * * *

(i) *Method 24 in appendix A-7 of part 60.* You may use Method 24 for determining the mass fraction of solids of coating materials. As an alternative to using Method 24, you may use ASTM D2369-10 (R2015), "Test Method for Volatile Content of Coatings" (incorporated by reference, see § 63.14).

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■ 29. Section 63.4340 is amended by revising the section heading and paragraph (b)(3) to read as follows:

§ 63.4340 By what date must I conduct initial performance tests and other initial compliance demonstrations?

* * * * *

(b) * * *

(3) You must complete the compliance demonstration for the initial compliance period according to the

requirements of § 63.4341. The initial compliance period begins on the applicable compliance date specified in § 63.4283 and ends on the last day of the 12th full month after the compliance date. The initial compliance demonstration includes the results of emission capture system and add-on control device performance tests conducted according to §§ 63.4360, 63.4361, and 63.4362; results of liquid-liquid material balances conducted according to § 63.4341(e)(5) or (f)(5); calculations according to § 63.4341 and supporting documentation showing that during the initial compliance period the organic HAP emission rate was equal to or less than the applicable emission limit in Table 1 to this subpart; the operating limits established during the performance tests and the results of the continuous parameter monitoring required by § 63.4364; and documentation of whether you developed and implemented the work practice plan required by § 63.4293.

■ 30. Section 63.4341 is amended:

■ a. In paragraph (e)(4) introductory text by removing the three sentences after the subject heading and adding four sentences in their place;

■ b. By revising paragraph (e)(5)(iii); and

■ c. In paragraph (f)(4) introductory text by removing the first four sentences after the subject heading and adding four new sentences in their place.

The additions and revision read as follows:

§ 63.4341 How do I demonstrate initial compliance?

* * * * *

(e) * * *

(4) * * * For each controlled web coating/printing operation using an emission capture system and add-on control device other than a solvent recovery system for which you conduct liquid-liquid material balances, calculate the organic HAP emissions reductions using Equation 1 of this section. The equation applies the emission capture system efficiency and add-on control device efficiency to the mass of organic HAP contained in the coating, printing, thinning, and cleaning materials applied in the web coating/printing operation served by the emission capture system and add-on control device during the compliance period. For any period of time a deviation specified in § 63.4342(c) or (d) occurs in the controlled web coating/printing operation, then you must assume zero efficiency for the emission capture system and add-on control device. Equation 1 of this section treats the coating, printing, thinning, and

cleaning materials applied during such a deviation as if they were used on an uncontrolled web coating/printing operation for the time period of the deviation. * * *

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(5) * * *

(iii) Determine the mass fraction of volatile organic matter for each coating, printing, cleaning, and thinning material applied in the web coating/printing operation controlled by the solvent recovery system during the compliance period, kg volatile organic matter per kg coating, printing, cleaning, and thinning material. You may determine the volatile organic matter mass fraction using Method 24 in appendix A-7 of part 60, ASTM D2369-10 (R2015), "Test Method for Volatile Content of Coatings" (incorporated by reference, see § 63.14), or an EPA approved alternative method. Alternatively, you may use information provided by the manufacturer or supplier of the coating or printing material. In the event of any inconsistency between information provided by the manufacturer or supplier and the results of Method 24, ASTM D2369-10 (R2015), or an approved alternative method, the test method results will govern.

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(f) * * *

(4) * * * For each controlled dyeing/finishing operation using an emission capture system and add-on control device other than a solvent recovery system for which you conduct liquid-liquid material balances, calculate the organic HAP emissions reductions using Equation 5 of this section. The equation applies the emission capture system efficiency and add-on control device efficiency to the mass of organic HAP contained in the dyeing and finishing materials applied in the dyeing/finishing operation served by the emission capture system and add-on control device during the compliance period. For any period of time a deviation specified in § 63.4342(c) or (d) occurs in the controlled dyeing/finishing operation, then you must assume zero efficiency for the emission capture system and add-on control device. Equation 5 of this section treats the dyeing and finishing materials applied during such a deviation as if they were applied on an uncontrolled dyeing/finishing operation for the time period of the deviation. * * *

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■ 31. Section 63.4342 is amended by revising the section heading and paragraph (c) introductory text, adding

paragraph (c)(3), and revising paragraphs (f) and (h) to read as follows:

§ 63.4342 How do I conduct periodic performance tests and demonstrate continuous compliance with the emission limitations?

* * * * *

(c) You must demonstrate continuous compliance with each operating limit required by § 63.4292 that applies to you, as specified in Table 2 to this subpart, and you must conduct periodic performance tests as specified in paragraph (c)(3) of this section.

* * * * *

(3) Except for solvent recovery systems for which you conduct liquid-liquid material balances according to § 63.4351(d)(5), within 5 years following the previous performance test, you must conduct according to the procedures in §§ 63.4360, 63.4361, and 63.4362 a periodic performance test of each capture system and add-on control device used, and you must establish the operating limits required by § 63.4292. You must conduct the first periodic performance test and establish the operating limits required by § 63.4292 before March 15, 2022, unless you are already required to complete periodic performance tests as a requirement of renewing your facility's operating permit under 40 CFR part 70 or 40 CFR part 71 and have conducted a performance test on or after March 15, 2017. Thereafter you must conduct a performance test no later than 5 years following the previous performance test. Operating limits must be confirmed or reestablished during each performance test.

* * * * *

(f) As part of each semiannual compliance report required in § 63.4311, you must identify the coating/printing and dyeing/finishing operation(s) for which you use the emission rate with add-on controls option. If there were no deviations from the applicable emission limitations in §§ 63.4290, 63.4292, and 63.4293, you must submit a statement that, as appropriate, the web coating/printing operations or the dyeing/finishing operations were in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in Table 1 to this subpart, and you achieved the operating limits required by § 63.4292 and the work practice standards required by § 63.4293 during each compliance period.

* * * * *

(h) Before September 12, 2019, consistent with §§ 63.6(e) and 63.7(e)(1),

deviations that occur during a period of startup, shutdown, or malfunction of the emission capture system, add-on control device, or web coating/printing or dyeing/finishing operation that may affect emission capture or control device efficiency are not violations if you demonstrate to the Administrator's satisfaction that you were operating in accordance with § 63.6(e)(1). The Administrator will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations according to the provisions in § 63.6(e). On and after September 12, 2019, as specified in § 63.4300(b), at all times, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions, and determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator.

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■ 32. Section 63.4350 is amended by revising paragraphs (a)(3) and (b)(3) to read as follows:

§ 63.4350 By what date must I conduct performance tests and other initial compliance demonstrations?

(a) * * *

(3) You must complete the compliance demonstration for the initial compliance period according to the requirements of § 63.4351. The initial compliance period begins on the applicable compliance date specified in § 63.4283 and ends on the last day of the first full month after the compliance date, or the date you conduct the performance tests of the emission capture systems and add-on control devices, or initiate the first liquid-liquid material balance for a solvent recovery system, whichever is later. The initial compliance demonstration includes the results of emission capture system and add-on control device performance tests conducted according to §§ 63.4360, 63.4361, and 63.4362; results of liquid-liquid material balances conducted according to § 63.4351(d)(5); calculations according to § 63.4351 and supporting documentation showing that during the initial compliance period either the organic HAP overall control efficiency was equal to or greater than the applicable overall control efficiency limit in Table 1 to this subpart or the oxidizer outlet organic HAP concentration was no greater than 20 parts per million by volume (ppmv) on

a dry basis; the operating limits established during the performance tests and the results of the continuous parameter monitoring required by § 63.4364; and documentation of whether you developed and implemented the work practice plan required by § 63.4293.

* * * * *

(b) * * *

(3) You must complete the compliance demonstration for the initial compliance period according to the requirements of § 63.4351. The initial compliance period begins on the applicable compliance date specified in § 63.4283 and ends on the last day of the first full month after the compliance date. The initial compliance demonstration includes the results of emission capture system and add-on control device performance tests conducted according to §§ 63.4360, 63.4361, and 63.4362; results of liquid-liquid material balances conducted according to § 63.4351(d)(5); calculations according to § 63.4351 and supporting documentation showing that during the initial compliance period the organic HAP overall control efficiency was equal to or greater than the applicable organic HAP overall control efficiency limit in Table 1 to this subpart or the oxidizer outlet organic HAP concentration was no greater than 20 ppmv on a dry basis and the efficiency of the capture system was 100 percent; the operating limits established during the performance tests and the results of the continuous parameter monitoring required by § 63.4364; and documentation of whether you developed and implemented the work practice plan required by § 63.4293.

■ 33. Section 63.4351 is amended by revising paragraphs (a), (d)(4) introductory text, (d)(5)(iii), and (e) introductory text to read as follows:

§ 63.4351 How do I demonstrate initial compliance?

(a) You may use the organic HAP overall control efficiency option or the oxidizer outlet organic HAP concentration option for any individual web coating/printing operation, for any group of web coating/printing operations in the affected source, or for all of the web coating/printing operations in the affected source. You may include both controlled and uncontrolled web coating/printing operations in a group for which you use the organic HAP overall control efficiency option. You must use either the compliant material option, the emission rate without add-on controls option, or the emission rate with add-on controls option for any web coating/

printing operation(s) in the affected source for which you do not use either the organic HAP overall control efficiency option or the oxidizer outlet organic HAP concentration option. To demonstrate initial compliance, any web coating/printing operation for which you use the organic HAP overall control efficiency option must meet the applicable organic HAP overall control efficiency limitations in Table 1 to this subpart according to the procedures in paragraph (d) of this section. Any web coating/printing operation for which you use the oxidizer outlet organic HAP concentration option must meet the 20 ppmv on a dry basis limit and achieve 100 percent capture efficiencies according to the procedures in paragraph (e) of this section. To demonstrate initial compliance with either option, you also must meet the applicable operating limits in § 63.4292 according to the procedures in paragraph (h) of this section and the work practice standards in § 63.4293 according to the procedures in paragraph (c) of this section. When calculating the organic HAP overall control efficiency according to this section, do not include any coating, printing, thinning, or cleaning materials applied on web coating/printing operations for which you use the compliant material option, the emission rate without add-on controls option, the emission rate with add-on controls option, or the oxidizer outlet organic HAP concentration option. You do not need to redetermine the mass of organic HAP in coating, printing, thinning, or cleaning materials that have been reclaimed onsite and reused in web coating/printing operation(s) for which you use the organic HAP overall control efficiency option.

* * * * *

(d) * * *

(4) Calculate the organic HAP emissions reductions for controlled web coating/printing operations not using liquid-liquid material balance. For each controlled web coating/printing operation using an emission capture system and add-on control device other than a solvent recovery system for which you conduct liquid-liquid material balances, calculate the organic HAP emissions reductions using Equation 1 of § 63.4341. The equation applies the emission capture system efficiency and add-on control device efficiency to the mass of organic HAP contained in the coating, printing, thinning, and cleaning materials applied in the web coating/printing operation served by the emission capture system and add-on control device during the

compliance period. For any period of time a deviation specified in § 63.4352(c) or (d) occurs in the controlled web coating/printing operation, then you must assume zero efficiency for the emission capture system and add-on control device. Equation 1 of § 63.4341 treats the coating, printing, thinning, and cleaning materials applied during such a deviation as if they were applied on an uncontrolled web coating/printing operation for the time period of the deviation.

* * * * *

(5) * * *

(iii) Determine the mass fraction of volatile organic matter for each coating and printing material applied in the web coating/printing operation controlled by the solvent recovery system during the compliance period, kg volatile organic matter per kg coating and printing material. You may determine the volatile organic matter mass fraction using Method 24 in appendix A-7 of part 60, ASTM D2369-10 (R2015), "Test Method for Volatile Content of Coatings" (incorporated by reference, see § 63.14), or an EPA approved alternative method. Alternatively, you may use information provided by the manufacturer or supplier of the coating or printing material. In the event of any inconsistency between information provided by the manufacturer or supplier and the results of Method 24, ASTM D2369-10 (R2015), or an approved alternative method, the test method results will govern.

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(e) *Compliance with oxidizer outlet organic HAP concentration limit.* You must follow the procedures in paragraphs (e)(1) through (3) of this section to demonstrate compliance with the oxidizer outlet organic HAP concentration limit of no greater than 20 ppmv on a dry basis.

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■ 34. Section 63.4352 is amended by revising paragraph (h) to read as follows:

§ 63.4352 How do I demonstrate continuous compliance with the emission limitations?

* * * * *

(h) Before September 12, 2019, consistent with §§ 63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction of the emission capture system, add-on control device, or web coating/printing operation that may affect emission capture or control device efficiency are not violations if you demonstrate to the Administrator's satisfaction that you

were operating in accordance with § 63.6(e)(1). The Administrator will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations according to the provisions in § 63.6(e). On and after September 12, 2019, as specified in § 63.4300(b), at all times, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions, and determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator.

* * * * *

■ 35. Section 63.4360 is amended by revising paragraphs (a) introductory text and (a)(1) to read as follows:

§ 63.4360 What are the general requirements for performance tests?

(a) You must conduct each performance test required by § 63.4340 or § 63.4350 according to the requirements in this section, unless you obtain a waiver of the performance test according to the provisions in § 63.7(h).

(1) *Representative web coating/printing or dyeing/finishing operation operating conditions.* You must conduct the performance test under representative operating conditions for the web coating/printing or dyeing/finishing operation. Operations during periods of startup, shutdown, or nonoperation do not constitute representative conditions for purposes of conducting a performance test. The owner or operator may not conduct performance tests during periods of malfunction. You must record the process information that is necessary to document operating conditions during the test and explain why the conditions represent normal operation. Upon request, you must make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

* * * * *

■ 36. Section 63.4362 is amended by revising paragraphs (a)(1) through (4) and (b) introductory text to read as follows:

§ 63.4362 How do I determine the add-on control device emission destruction or removal efficiency?

* * * * *

(a) * * *

(1) Use Method 1 or 1A in appendix A-1 of part 60, as appropriate, to select

sampling sites and velocity traverse points.

(2) Use Method 2, 2A, 2C, 2D, or 2F in appendix A-1, or Method 2G in appendix A-2, of part 60, as appropriate, to measure gas volumetric flow rate.

(3) Use Method 3, 3A, or 3B in appendix A of part 60, as appropriate, for gas analysis to determine dry molecular weight. You may also use as an alternative to Method 3B, the manual method for measuring the oxygen, carbon dioxide, and carbon monoxide content of exhaust gas in ANSI/ASME, PTC 19.10-1981, "Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus]" (incorporated by reference, see § 63.14).

(4) Use Method 4 in appendix A of part 60 to determine stack gas moisture.

* * * * *

(b) Measure the volatile organic matter concentration as carbon at the inlet and outlet of the add-on control device simultaneously, using Method 25 or 25A in appendix A-7 of part 60. If you are demonstrating compliance with the oxidizer outlet organic HAP concentration limit, only the outlet volatile organic matter concentration must be determined. The outlet volatile organic matter concentration is determined as the average of the three test runs. You may use Method 18 in appendix A-6 of part 60 to subtract methane emissions from measured volatile organic matter concentration as carbon.

* * * * *

- 37. Section 63.4364 is amended by:
 - a. Revising paragraphs (a)(6) through (8) and (c) introductory text;
 - b. Redesignating paragraphs (c)(i) through (iii) as (c)(1) through (3), respectively; and
 - c. Revising newly redesignated paragraph (c)(1).

The revisions read as follows:

§ 63.4364 What are the requirements for CPMS installation, operation, and maintenance?

(a) * * *

(6) At all times, you must maintain the monitoring system in accordance with § 63.4300(b) and in proper working order including, but not limited to, keeping readily available necessary parts for routine repairs of the monitoring equipment.

(7) Before September 12, 2019, except for monitoring malfunctions, associated repairs, or required quality assurance or control activities (including calibration checks or required zero and span adjustments), you must conduct all monitoring at all times that the unit is

operating. On and after September 12, 2019, you must operate the CPMS and collect emission capture system and add-on control device parameter data at all times in accordance with § 63.4300(b). Data recorded during monitoring malfunctions, associated repairs, out-of-control periods, or required quality assurance or control activities shall not be used for purposes of calculating the emissions concentrations and percent reductions specified in Table 1 to this subpart. You must use all the data collected during all other periods in assessing compliance of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(8) Except for periods of required quality assurance or control activities, any averaging period during which the CPMS fails to operate and record data continuously as required by paragraph (a)(1) of this section, or during which generated data cannot be included in calculating averages as specified in paragraph (a)(7) of this section, constitutes a deviation, and you must notify the Administrator in accordance with § 63.4311(a).

* * * * *

(c) *Oxidizers.* If you are using an oxidizer to comply with the emission standards, you must comply with paragraphs (c)(1) through (3) of this section.

(1) Install, calibrate, maintain, and operate temperature monitoring equipment according to the manufacturer's specifications. The calibration of the chart recorder, data logger, or temperature indicator must be verified every 3 months or the chart recorder, data logger, or temperature indicator must be replaced. A thermocouple is considered part of the temperature indicator for purposes of performing periodic calibration and verification checks.

* * * * *

■ 38. Section 63.4371 is amended by revising the definition of "Deviation" to read as follows:

§ 63.4371 What definitions apply to this subpart?

* * * * *

Deviation means:

(1) Before September 12, 2019, any instance in which an affected source subject to this subpart or an owner or operator of such a source:

(i) Fails to meet any requirement or obligation established by this subpart

including but not limited to any emission limit, or operating limit, or work practice standard;

(ii) 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

(iii) Fails to meet any emission limit, or operating limit, or work practice standard in this subpart during startup, shutdown, or malfunction regardless of

whether or not such failure is permitted by this subpart; and

(2) On and after September 12, 2019, any instance in which an affected source subject to this subpart or an owner or operator of such a source:

(i) Fails to meet any requirement or obligation established by this subpart including but not limited to any emission limit, or operating limit, or work practice standard; or

(ii) 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.

* * * * *

No organic HAP means no organic HAP in Table 5 to this subpart is present at 0.1 percent by mass or more and no organic HAP not listed in Table 5 to this subpart is present at 1.0 percent by mass or more. The organic HAP content of a regulated material is determined according to § 63.4321(e)(1).

* * * * *

■ 39. Table 3 to subpart OOOO of part 63 is revised to read as follows:

TABLE 3 TO SUBPART OOOO OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART OOOO
[You must comply with the applicable General Provisions requirements according to the following table:]

Citation	Subject	Applicable to subpart OOOO	Explanation
§ 63.1(a)(1)–(12)	General Applicability	Yes	Applicability to subpart OOOO is also specified in § 63.4281.
§ 63.1(b)(1)–(3)	Initial Applicability Determination	Yes	
§ 63.1(c)(1)	Applicability After Standard Established	Yes	Area sources are not subject to subpart OOOO.
§ 63.1(c)(2)–(3)	Applicability of Permit Program for Area Sources.	No	
§ 63.1(c)(4)–(5)	Extensions and Notifications	Yes	Additional definitions are specified in § 63.4371.
§ 63.1(e)	Applicability of Permit Program Before Relevant Standard is Set.	Yes	
§ 63.2	Definitions	Yes	
§ 63.3(a)–(c)	Units and Abbreviations	Yes	
§ 63.4(a)(1)–(5)	Prohibited Activities	Yes	
§ 63.4(b)–(c)	Circumvention/Severability	Yes	
§ 63.5(a)	Construction/Reconstruction	Yes	
§ 63.5(b)(1)–(6)	Requirements for Existing, Newly Constructed, and Reconstructed Sources.	Yes	
§ 63.5(d)	Application for Approval of Construction/Reconstruction.	Yes	
§ 63.5(e)	Approval of Construction/Reconstruction	Yes	
§ 63.5(f)	Approval of Construction/Reconstruction Based on Prior State Review.	Yes	
§ 63.6(a)	Compliance With Standards and Maintenance Requirements—Applicability.	Yes	
§ 63.6(b)(1)–(7)	Compliance Dates for New and Reconstructed Sources.	Yes	Section 63.4283 specifies the compliance dates.
§ 63.6(c)(1)–(5)	Compliance Dates for Existing Sources	Yes	Section 63.4283 specifies the compliance dates.
§ 63.6(e)(1)(i)	Operation and Maintenance	Yes, before September 12, 2019. No, on and after September 12, 2019.	See § 63.4300(b) for general duty requirement.
§ 63.6(e)(1)(ii)	Operation and Maintenance	Yes, before September 12, 2019. No, on and after September 12, 2019.	
§ 63.6(e)(1)(iii)	Operation and Maintenance	Yes	
§ 63.6(e)(3)	Startup, Shutdown, and Malfunction Plan	Yes, before September 12, 2019. No, on and after September 12, 2019.	
§ 63.6(f)(1)	Compliance Except During Startup, Shutdown, and Malfunction.	Yes, before September 12, 2019. No, on and after September 12, 2019.	
§ 63.6(f)(2)–(3)	Methods for Determining Compliance	Yes	Subpart OOOO does not establish opacity standards and does not require continuous opacity monitoring systems (COMS).
§ 63.6(g)(1)–(3)	Use of an Alternative Standard	Yes	
§ 63.6(h)	Compliance With Opacity/Visible Emission Standards.	No	
§ 63.6(i)(1)–(16)	Extension of Compliance	Yes	

TABLE 3 TO SUBPART OOOO OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART OOOO—Continued
 [You must comply with the applicable General Provisions requirements according to the following table:]

Citation	Subject	Applicable to subpart OOOO	Explanation
§ 63.6(j)	Presidential Compliance Exemption	Yes	Applies to all affected sources. Additional requirements for performance testing are specified in §§ 63.4360, 63.4361, and 63.4362.
§ 63.7(a)(1)	Performance Test Requirements—Applicability.	Yes	
§ 63.7(a)(2)	Performance Test Requirements—Dates ..	Yes	Applies only to performance tests for capture system and control device efficiency at sources using these to comply with the standard.
§ 63.7(a)(3)	Performance Tests Required by the Administrator.	Yes	Applies only to performance tests for capture system and control device efficiency at sources using these to comply with the standard.
§ 63.7(b)–(d)	Performance Test Requirements—Notification, Quality Assurance, Facilities Necessary for Safe Testing, Conditions During Test.	Yes	
§ 63.7(e)(1)	Conduct of performance tests	Yes, before September 12, 2019. No, on and after September 12, 2019.	See § 63.4360.
§ 63.7(e)(2)–(4)	Conduct of performance tests	Yes	Applies to all test methods except those used to determine capture system efficiency.
§ 63.7(f)	Performance Test Requirements—Use of Alternative Test Method.	Yes	
§ 63.7(g)–(h)	Performance Test Requirements—Data Analysis, Recordkeeping, Waiver of Test.	Yes	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standards.
§ 63.8(a)(1)–(3)	Monitoring Requirements—Applicability	Yes	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standards. Additional requirements for monitoring are specified in § 63.4364. Subpart OOOO does not have monitoring requirements for flares.
§ 63.8(a)(4)	Additional Monitoring Requirements	No	Section 63.4364 specifies the requirements for the operation of CMS for capture systems and add-on control devices at sources using these to comply.
§ 63.8(b)	Conduct of Monitoring	Yes	
§ 63.8(c)(1)	Continuous Monitoring Systems (CMS) Operation and Maintenance.	Yes, before September 12, 2019. No, on and after September 12, 2019.	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standards. Additional requirements for CMS operations and maintenance are specified in § 63.4364.
§ 63.8(c)(2)–(3)	CMS Operation and Maintenance	Yes	
§ 63.8(c)(4)	CMS	No	Section 63.4364 specifies the requirements for the operation of CMS for capture systems and add-on control devices at sources using these to comply.
§ 63.8(c)(5)	COMS	No	Subpart OOOO does not have opacity or visible emission standards.
§ 63.8(c)(6)	CMS Requirements	No	Section 63.4364 specifies the requirements for monitoring systems for capture systems and add-on control devices at sources using these to comply.
§ 63.8(c)(7)	CMS Out of Control Periods	Yes	Section 63.4311 requires reporting of CMS out-of-control periods.
§ 63.8(c)(8)	CMS Out of Control Periods and Reporting	No	
§ 63.8(d)–(e)	Quality Control Program and CMS Performance Evaluation.	No	Subpart OOOO does not require the use of CEMS.
§ 63.8(f)(1)–(5)	Use of an Alternative Monitoring Method ...	Yes	Subpart OOOO does not require the use of CEMS.
§ 63.8(f)(6)	Alternative to Relative Accuracy Test	No	
§ 63.8(g)(1)–(5)	Data Reduction	No	Sections 63.4363 and 63.4364 specify monitoring data reduction.
§ 63.9(a)	Applicability and General Information	Yes	Subpart OOOO provides 1 year for an existing source to submit an initial notification.
§ 63.9(b)	Initial Notifications	No	

TABLE 3 TO SUBPART OOOO OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART OOOO—Continued
 [You must comply with the applicable General Provisions requirements according to the following table:]

Citation	Subject	Applicable to subpart OOOO	Explanation
§ 63.9(c)	Request for Extension of Compliance	Yes	
§ 63.9(d)	Notification that Source is Subject to Special Compliance Requirements.	Yes	
§ 63.9(e)	Notification of Performance Test	Yes	Applies only to capture system and add-on control device performance tests at sources using these to comply with the standards.
§ 63.9(f)	Notification of Visible Emissions/Opacity Test.	No	Subpart OOOO does not have opacity or visible emission standards.
§ 63.9(g)(1)–(3)	Additional Notifications When Using CMS	No	Subpart OOOO does not require the use of CEMS.
§ 63.9(h)	Notification of Compliance Status	Yes	Section 63.4310 specifies the dates for submitting the notification of compliance status.
§ 63.9(i)	Adjustment of Submittal Deadlines	Yes	
§ 63.9(j)	Change in Previous Information	Yes	
§ 63.10(a)	Recordkeeping/Reporting—Applicability and General Information.	Yes	
§ 63.10(b)(1)	General Recordkeeping Requirements	Yes	Additional Requirements are specified in §§ 63.4312 and 63.4313. <i>See</i> § 63.4312(i)
§ 63.10(b)(2)(i)	Recordkeeping of Occurrence and Duration of Startups and Shutdowns.	Yes, before September 12, 2019. No, on and after September 12, 2019.	
§ 63.10(b)(2)(ii)	Recordkeeping of Failures to Meet Standards.	Yes, before September 12, 2019. No, on and after September 12, 2019.	<i>See</i> § 63.4312(i).
§ 63.10(b)(2)(iii)	Recordkeeping Relevant to Maintenance of Air Pollution Control and Monitoring Equipment.	Yes	
§ 63.10(b)(2)(iv)–(v)	Actions Taken to Minimize Emissions During Startup, Shutdown, and Malfunction.	Yes, before September 12, 2019. No, on and after September 12, 2019.	<i>See</i> § 63.4312(i)(4) for a record of actions taken to minimize emissions during a deviation from the standard.
§ 63.10(b)(2)(vi)	Recordkeeping for CMS malfunctions	Yes, before September 12, 2019. No, on and after September 12, 2019..	<i>See</i> § 63.4312(i) for records of periods of deviation from the standard, including instances where a CMS is inoperative or out-of-control.
§ 63.10(b)(2)(vii)–(xi)	Records	Yes	
§ 63.10(b)(2)(xii)	Records	Yes	
§ 63.10(b)(2)(xiii)	No	Subpart OOOO does not require the use of CEMS.
§ 63.10(b)(2)(xiv)	Yes	
§ 63.10(b)(3)	Recordkeeping Requirements for Applicability Determinations.	Yes	
§ 63.10(c)(1)–(6)	Additional Recordkeeping Requirements for Sources with CMS.	Yes	
§ 63.10(c)(7)–(8)	Additional Recordkeeping Requirements for Sources with CMS.	No	<i>See</i> § 63.4312(i)(1) for records of periods of deviation from the standard, including instances where a CMS is inoperative or out-of-control.
§ 63.10(c)(10)–(14)	Additional Recordkeeping Requirements for Sources with CMS.	Yes	
§ 63.10(c)(15)	Records Regarding the Startup, Shutdown, and Malfunction Plan.	Yes, before September 12, 2019. No, on and after September 12, 2019.	
§ 63.10(d)(1)	General Reporting Requirements	Yes	Additional requirements are specified in § 63.4311.
§ 63.10(d)(2)	Report of Performance Test Results	Yes	Additional requirements are specified in § 63.4311(b).
§ 63.10(d)(3)	Reporting Opacity or Visible Emissions Observations.	No	Subpart OOOO does not require opacity or visible emissions observations.
§ 63.10(d)(4)	Progress Reports for Sources With Compliance Extensions.	Yes	

TABLE 3 TO SUBPART OOOO OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART OOOO—Continued
 [You must comply with the applicable General Provisions requirements according to the following table:]

Citation	Subject	Applicable to subpart OOOO	Explanation
§ 63.10(d)(5)	Startup, Shutdown, and Malfunction Reports.	Yes, before September 12, 2019. No, on and after September 12, 2019.	See § 63.4311(a)(7).
§ 63.10(e)(1)–(2)	Additional CMS Reports	No	Subpart OOOO does not require the use of CEMS.
§ 63.10(e)(3)	Excess Emissions/CMS Performance Reports.	No	Section 63.4311(a) specifies the contents of periodic compliance reports.
§ 63.10(e)(4)	COMS Data Reports	No	Subpart OOOO does not specify requirements for opacity or COMS.
§ 63.10(f)	Recordkeeping/Reporting Waiver	Yes	
§ 63.11	Control Device Requirements/Flares	No	Subpart OOOO does not specify use of flares for compliance.
§ 63.12	State Authority and Delegations	Yes	
§ 63.13	Addresses	Yes	
§ 63.14	Incorporation by Reference	Yes	
§ 63.15	Availability of Information/Confidentiality	Yes	ASNI/ASME PTC 19.10–1981, part 10.

■ 40. Table 6 to subpart OOOO of part 63 is added to read as follows:

TABLE 6—TO SUBPART OOOO OF PART 63—LIST OF HAZARDOUS AIR POLLUTANTS THAT MUST BE COUNTED TOWARD TOTAL ORGANIC HAP CONTENT IF PRESENT AT 0.1 PERCENT OR MORE BY MASS

Chemical name	CAS No.
1,1,2,2-Tetrachloroethane	79-34-5
1,1,2-Trichloroethane	79-00-5
1,1-Dimethylhydrazine	57-14-7
1,2-Dibromo-3-chloropropane	96-12-8
1,2-Diphenylhydrazine	122-66-7
1,3-Butadiene	106-99-0
1,3-Dichloropropene	542-75-6
1,4-Dioxane	123-91-1
2,4,6-Trichlorophenol	88-06-2
2,4/2,6-Dinitrotoluene (mixture)	25321-14-6
2,4-Dinitrotoluene	121-14-2
2,4-Toluene diamine	95-80-7
2-Nitropropane	79-46-9
3,3'-Dichlorobenzidine	91-94-1
3,3'-Dimethoxybenzidine	119-90-4
3,3'-Dimethylbenzidine	119-93-7
4,4'-Methylene bis(2-chloroaniline)	101-14-4
Acetaldehyde	75-07-0
Acrylamide	79-06-1
Acrylonitrile	107-13-1
Allyl chloride	107-05-1
alpha-Hexachlorocyclohexane (a-HCH)	319-84-6
Aniline	62-53-3
Benzene	71-43-2
Benzidine	92-87-5
Benzotrichloride	98-07-7
Benzyl chloride	100-44-7
beta-Hexachlorocyclohexane (b-HCH)	319-85-7
Bis(2-ethylhexyl)phthalate	117-81-7
Bis(chloromethyl)ether	542-88-1
Bromoform	75-25-2
Captan	133-06-2
Carbon tetrachloride	56-23-5
Chlordane	57-74-9
Chlorobenzilate	510-15-6
Chloroform	67-66-3
Chloroprene	126-99-8
Cresols (mixed)	1319-77-3
DDE	3547-04-4
Dichloroethyl ether	111-44-4
Dichlorvos	62-73-7
Epichlorohydrin	106-89-8

TABLE 6—TO SUBPART OOOO OF PART 63—LIST OF HAZARDOUS AIR POLLUTANTS THAT MUST BE COUNTED TOWARD TOTAL ORGANIC HAP CONTENT IF PRESENT AT 0.1 PERCENT OR MORE BY MASS—Continued

Chemical name	CAS No.
Ethyl acrylate	140-88-5
Ethylene dibromide	106-93-4
Ethylene dichloride	107-06-2
Ethylene oxide	75-21-8
Ethylene thiourea	96-45-7
Ethylidene dichloride (1,1-Dichloroethane)	75-34-3
Formaldehyde	50-00-0
Heptachlor	76-44-8
Hexachlorobenzene	118-74-1
Hexachlorobutadiene	87-68-3
Hexachloroethane	67-72-1
Hydrazine	302-01-2
Isophorone	78-59-1
Lindane (hexachlorocyclohexane, all isomers)	58-89-9
m-Cresol	108-39-4
Methylene chloride	75-09-2
Naphthalene	91-20-3
Nitrobenzene	98-95-3
Nitrosodimethylamine	62-75-9
o-Cresol	95-48-7
o-Toluidine	95-53-4
Parathion	56-38-2
p-Cresol	106-44-5
p-Dichlorobenzene	106-46-7
Pentachloronitrobenzene	82-68-8
Pentachlorophenol	87-86-5
Propoxur	114-26-1
Propylene dichloride	78-87-5
Propylene oxide	75-56-9
Quinoline	91-22-5
Tetrachloroethene	127-18-4
Toxaphene	8001-35-2
Trichloroethylene	79-01-6
Trifluralin	1582-09-8
Vinyl bromide	593-60-2
Vinyl chloride	75-01-4
Vinylidene chloride	75-35-4

Subpart RRRR—National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture

■ 41. Section 63.4900 is revised to read as follows:

§ 63.4900 What are my general requirements for complying with this subpart?

(a) The affected source must be in compliance at all times with the applicable emission limitations specified in §§ 63.4890, 63.4892, and 63.4893.

(b) Before September 12, 2019, you must always operate and maintain your affected source, including all air pollution control and monitoring equipment you use for purposes of complying with this subpart, according to the provisions in § 63.6(e)(1)(i). On and after September 12, 2019, at all times, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and

monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the affected source.

(c) Before September 12, 2019, if your affected source uses an emission capture system and add-on control device to comply with the emission limitations in § 63.4890, you must develop a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in § 63.6(e)(3). The SSMP must address the startup, shutdown, and corrective

actions in the event of a malfunction of the emission capture system or the add-on control device. The SSMP must also address any coating operation equipment that may cause increased emissions or that would affect capture efficiency if the process equipment malfunctions, such as conveyors that move parts among enclosures. A startup, shutdown, and malfunction plan is not required on and after September 12, 2019.

■ 42. Section 63.4910 is amended by revising paragraph (c)(9)(v) to read as follows:

§ 63.4910 What notifications must I submit?

* * * * *

(c) * * *

(9) * * *

(v) Before September 12, 2019, a statement of whether or not you developed and implemented the startup, shutdown, and malfunction plan required by § 63.4900. This statement is not required on and after September 12, 2019.

■ 43. Section 63.4920 is amended by revising paragraphs (a)(3) introductory text, (a)(3)(ii), (a)(4), (a)(5) introductory text, (a)(5) through (7), and (c) introductory text to read as follows:

§ 63.4920 What reports must I submit?

(a) * * *

(3) *General requirements.* The semiannual compliance report must contain the information specified in paragraphs (a)(3)(i) through (v) of this section, and the information specified in paragraphs (a)(4) through (7) of this section that is applicable to your affected source.

* * * * *

(ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report. Such certifications must also comply with the requirements of 40 CFR 70.5(d) or 40 CFR 71.5(d).

* * * * *

(4) *No deviations.* If there were no deviations from the emission limits, operating limits, and work practice standards in §§ 63.4890, 63.4892, and 63.4893, respectively, that apply to you, the semiannual compliance report must include an affirmative statement that there were no deviations from the emission limits, operating limits, or work practice standards in §§ 63.4890, 63.4892, and 63.4893 during the reporting period. If there were no deviations from these emission limitations, the semiannual compliance report must include the affirmative statement that is described in either § 63.4942(c), § 63.4952(c), or § 63.4962(f), as applicable. If you used the emission rate with add-on controls option and there were no periods during which the continuous parameter monitoring systems (CPMS) were out-of-control as specified in § 63.8(c)(7), the semiannual compliance report must include a statement that there were no periods during which the CPMS were out-of-control during the reporting period as specified in § 63.8(c)(7).

(5) *Deviations: Compliant material option.* If you used the compliant material option, and there was a deviation from the applicable emission limit in § 63.4890, the semiannual compliance report must contain the information in paragraph (a)(5)(i) or (ii) of this section, as applicable.

(i) Before September 12, 2019, the information in paragraphs (a)(5)(i)(A) through (D) of this section.

(A) Identification of each coating used that deviated from the emission limit, and of each thinner and cleaning material used that contained organic

HAP, and the dates and time periods each was used.

(B) The calculation of the organic HAP content for each coating identified in paragraph (a)(5)(i) of this section, using Equation 2 of § 63.4941. You do not need to submit background data supporting this calculation, for example, information provided by materials suppliers or manufacturers, or test reports.

(C) The determination of mass fraction of organic HAP for each coating, thinner, and cleaning material identified in paragraph (a)(5)(i) of this section. You do not need to submit background data supporting this calculation, for example, information provided by materials suppliers or manufacturers, or test reports.

(D) A statement of the cause of each deviation.

(ii) On and after September 12, 2019, if there was a deviation from the applicable emission limit in § 63.4890, the semiannual compliance report must contain the information in paragraphs (a)(5)(ii)(A) through (E) of this section.

(A) Identification of each coating used that deviated from the emission limit, and of each thinner and cleaning material used that contained organic HAP, and the date, time, and duration each was used.

(B) The calculation of the organic HAP content for each coating identified in paragraph (a)(5)(ii)(A) of this section, using Equation 2 of § 63.4941. You do not need to submit background data supporting this calculation, for example, information provided by materials suppliers or manufacturers, or test reports.

(C) The determination of mass fraction of organic HAP for each coating, thinner, and cleaning material identified in paragraph (a)(5)(ii)(A) of this section. You do not need to submit background data supporting this calculation, for example, information provided by materials suppliers or manufacturers, or test reports.

(D) A statement of the cause of each deviation (including unknown cause, if applicable).

(E) The number of deviations and, for each deviation, a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit in § 63.4890, and a description of the method used to estimate the emissions.

(6) *Deviations: Emission rate without add-on controls option.* If you used the emission rate without add-on controls option, and there was a deviation from any applicable emission limit in § 63.4890, the semiannual compliance report must contain the information in

paragraph (a)(6)(i) or (ii) of this section, as applicable. You do not need to submit background data supporting these calculations, for example, information provided by materials suppliers or manufacturers, or test reports.

(i) Before September 12, 2019, the information in paragraphs (a)(6)(i)(A) through (E) of this section.

(A) The beginning and ending dates of each compliance period during which the organic HAP emission rate exceeded the applicable emission limit in § 63.4890.

(B) The calculation of the total mass of organic HAP emissions for each month, using Equations 1 of § 63.4951.

(C) The calculation of the total volume of coating solids used each month, using Equation 2 of § 63.4951.

(D) The calculation of the organic HAP emission rate for each month, using Equation 3 of § 63.4951.

(E) A statement of the cause of each deviation.

(ii) On and after September 12, 2019, if there was a deviation from the applicable emission limit in § 63.4890, the semiannual compliance report must contain the information in paragraphs (a)(6)(ii)(A) through (F) of this section.

(A) The beginning and ending dates of each compliance period during which the organic HAP emission rate exceeded the applicable emission limit in § 63.4890.

(B) The calculation of the total mass of organic HAP emissions for each month, using Equation 1 of § 63.4951.

(C) The calculation of the total volume of coating solids used each month, using Equation 2 of § 63.4951.

(D) The calculation of the organic HAP emission rate for each month, using Equation 3 of § 63.4951.

(E) A statement of the cause of each deviation (including unknown cause, if applicable).

(F) The number of deviations, a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit in § 63.4890, and a description of the method used to estimate the emissions.

(7) *Deviations: Emission rate with add-on controls option.* If you used the emission rate with add-on controls option, and there was a deviation from any applicable emission limitation (including any periods when emissions bypassed the add-on control device and were diverted to the atmosphere), the semiannual compliance report must contain the information in paragraph (a)(7)(i) or (ii) of this section, as applicable.

(i) Before September 12, 2019, the information in paragraphs (a)(7)(i)(A) through (Q) of this section. This includes periods of startup, shutdown, and malfunction during which deviations occurred. You do not need to submit background data supporting these calculations, for example, information provided by materials suppliers or manufacturers, or test reports.

(A) The beginning and ending dates of each compliance period during which the organic HAP emission rate exceeded the applicable emission limit in § 63.4890.

(B) The calculation of the total mass of organic HAP emissions for the coatings, thinners, and cleaning materials used during each month, using Equation 1 of § 63.4951 and, if applicable, the calculation used to determine the total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste treatment, storage, and disposal facility (TSDF) for treatment or disposal during each compliance period, according to § 63.4951(e)(4).

(C) The calculation of the total volume of coating solids used, using Equation 2 of § 63.4951.

(D) The calculation of the mass of organic HAP emission reduction each month by emission capture systems and add-on control devices, using Equation 1 of § 63.4961, and Equation 3 of § 63.4961 for the calculation of the mass of organic HAP emission reduction for the coating operation controlled by solvent recovery systems each compliance period, as applicable.

(E) The calculation of the organic HAP emission rate for each compliance period, using Equation 4 of § 63.4961.

(F) The date and time that each malfunction started and stopped.

(G) A brief description of the CPMS.

(H) The date of the latest CPMS certification or audit.

(I) The date and time that each CPMS was inoperative, except for zero (low-level) and high-level checks.

(J) The date, time, and duration that each CPMS was out-of-control, including the information in § 63.8(c)(8).

(K) The date and time period of each deviation from an operating limit in Table 1 to this subpart; date and time period of any bypass of the add-on control device; and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(L) A summary of the total duration of each deviation from an operating limit in Table 1 to this subpart and each bypass of the add-on control device

during the semiannual reporting period and the total duration as a percent of the total affected source operating time during that semiannual reporting period.

(M) A breakdown of the total duration of the deviations from the operating limits in Table 1 to this subpart and bypasses of the add-on control device during the semiannual reporting period into those that were due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.

(N) A summary of the total duration of CPMS downtime during the semiannual reporting period and the total duration of CPMS downtime as a percent of the total affected source operating time during that semiannual reporting period.

(O) A description of any changes in the CPMS, coating operation, emission capture system, or add-on control device since the last semiannual reporting period.

(P) For each deviation from the work practice standards, a description of the deviation; the date and time period of the deviation; and the actions you took to correct the deviation.

(Q) A statement of the cause of each deviation.

(ii) On and after September 12, 2019, the information in paragraphs (a)(7)(ii)(A) through (O), (Q), and (R) of this section if there was a deviation from the applicable emission limit in § 63.4890 or the applicable operating limit(s) in Table 1 to this subpart (including any periods when emissions bypassed the add-on control device and were diverted to the atmosphere) and the information in paragraph (a)(7)(ii)(P) of this section if there was a deviation from the work practice standards in § 63.4893(b).

(A) The beginning and ending dates of each compliance period during which the organic HAP emission rate exceeded the applicable emission limit in § 63.4890.

(B) The calculation of the total mass of organic HAP emissions for the coatings, thinners, and cleaning materials used during each month, using Equation 1 of § 63.4951 and, if applicable, the calculation used to determine the total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste treatment, storage, and disposal facility (TSDF) for treatment or disposal during each compliance period, according to § 63.4951(e)(4).

(C) The calculation of the total volume of coating solids used, using Equation 2 of § 63.4951.

(D) The calculation of the mass of organic HAP emission reduction each month by emission capture systems and add-on control devices, using Equation 1 of § 63.4961, and Equation 3 of § 63.4961 for the calculation of the mass of organic HAP emission reduction for the coating operation controlled by solvent recovery systems each compliance period, as applicable.

(E) The calculation of the organic HAP emission rate for each compliance period, using Equation 4 of § 63.4961.

(F) The date and time that each malfunction of the capture system or add-on control devices started and stopped.

(G) A brief description of the CPMS.

(H) The date of the latest CPMS certification or audit.

(I) For each instance that the CPMS was inoperative, except for zero (low-level) and high-level checks, the date, time, and duration that the CPMS was inoperative; the cause (including unknown cause) for the CPMS being inoperative, and descriptions of corrective actions taken.

(J) For each instance that the CPMS was out-of-control, as specified in § 63.8(c)(7), the date, time, and duration that the CPMS was out-of-control; the cause (including unknown cause) for the CPMS being out-of-control; and descriptions of corrective actions taken.

(K) The date, time, and duration of each deviation from an operating limit in Table 1 to this subpart; and the date, time, and duration of any bypass of the add-on control device.

(L) A summary of the total duration of each deviation from an operating limit in Table 1 to this subpart and each bypass of the add-on control device during the semiannual reporting period and the total duration as a percent of the total affected source operating time during that semiannual reporting period.

(M) A breakdown of the total duration of the deviations from the operating limits in Table 1 to this subpart and bypasses of the add-on control device during the semiannual reporting period into those that were due to control equipment problems, process problems, other known causes, and other unknown causes.

(N) A summary of the total duration of CPMS downtime during the semiannual reporting period and the total duration of CPMS downtime as a percent of the total affected source operating time during that semiannual reporting period.

(O) A description of any changes in the CPMS, coating operation, emission capture system, or add-on control

device since the last semiannual reporting period.

(P) For deviations from the work practice standards in § 63.4893(b), the number of deviations, and, for each deviation: A description of the deviation; the date, time, and duration of the deviation; and the actions taken to minimize emissions in accordance with § 63.4900(b). The description of the deviation must include a list of the affected sources or equipment for which a deviation occurred and the cause of the deviation (including unknown cause, if applicable).

(Q) For deviations from an emission limit in § 63.4890 or operating limit in Table 1 to this subpart, a statement of the cause of each deviation (including unknown cause, if applicable).

(R) For each deviation from an emission limit in § 63.4890 or operating limit in Table 1 to this subpart, a list of the affected sources or equipment for which a deviation occurred, an estimate of the quantity of each regulated pollutant emitted over any emission limit in § 63.4890, and a description of the method used to estimate the emissions.

* * * * *

(c) Before September 12, 2019, if you used the emission rate with add-on controls option and you had a startup, shutdown, or malfunction during the semiannual reporting period, you must submit the reports specified in paragraphs (c)(1) and (2) of this section. The reports specified in paragraphs (c)(1) and (2) of this section are not required on and after September 12, 2019.

* * * * *

■ 44. Section 63.4921 is added to read as follows:

§ 63.4921 What are my electronic reporting requirements?

(a) Beginning no later than June 13, 2019, you must submit the results of the performance test required § 63.4920(b) following the procedure specified in paragraphs (a)(1) through (3) of this section.

(1) For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website¹⁴⁷ (<https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>) at the time of the test, you must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). The CEDRI interface can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>). Performance test

data must be submitted in a file format generated through the use of the EPA's ERT or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT website.

(2) For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test, you must submit the results of the performance test to the Administrator at the appropriate address listed in § 63.13, unless the Administrator agrees to or specifies an alternate reporting method.

(3) If you claim that some of the performance test information being submitted under paragraph (a)(1) of this section is confidential business information (CBI), you must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website, including information claimed to be CBI, on a compact disc, flash drive or other commonly used electronic storage medium to the EPA. The electronic medium must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described in paragraph (a)(1) of this section.

(b) Beginning on March 15, 2021, the owner or operator shall submit the initial notifications required in § 63.9(b) and the notification of compliance status required in § 63.9(h) and § 63.4910(c) to the EPA via CEDRI. The CEDRI interface can be accessed through the EPA's CDX (<https://cdx.epa.gov/>). The owner or operator must upload to CEDRI an electronic copy of each applicable notification in portable document format (PDF). The applicable notification must be submitted by the deadline specified in this subpart, regardless of the method in which the reports are submitted. Owners or operators who claim that some of the information required to be submitted via CEDRI is CBI shall submit a complete report generated using the appropriate form in CEDRI or an alternate electronic file consistent with the extensible markup language (XML) schema listed on the EPA's CEDRI website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader,

Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

(c) Beginning on March 15, 2021, or once the reporting template has been available on the CEDRI website for 1 year, whichever date is later, the owner or operator shall submit the semiannual compliance report required in § 63.4920 to the EPA via CEDRI. The CEDRI interface can be accessed through the EPA's CDX (<https://cdx.epa.gov/>). The owner or operator must use the appropriate electronic template on the CEDRI website for this subpart or an alternate electronic file format consistent with the XML schema listed on the CEDRI website (<https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri>). The date report templates become available will be listed on the CEDRI website. If the reporting form for the semiannual compliance report specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate addresses listed in § 63.13. Once the form has been available in CEDRI for 1 year, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted.

Owners or operators who claim that some of the information required to be submitted via CEDRI is CBI shall submit a complete report generated using the appropriate form in CEDRI or an alternate electronic file consistent with the XML schema listed on the EPA's CEDRI website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

(d) If you are required to electronically submit a report through CEDRI in the EPA's CDX, and due to a planned or actual outage of either the EPA's CEDRI or CDX systems within the period of time beginning 5 business days prior to the date that the submission is due, you will be or are precluded from accessing CEDRI or CDX and submitting a required report within

the time prescribed, you may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. You must provide to the Administrator a written description identifying the date, time and length of the outage; a rationale for attributing the delay in reporting beyond the regulatory deadline to the EPA system outage; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported. In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved. The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(e) If you are required to electronically submit a report through CEDRI in the EPA's CDX and a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning 5 business days prior to the date the submission is due, the owner or operator may assert a claim of force majeure for failure to timely comply with the reporting requirement. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage). If you intend to assert a claim of force majeure, you must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. You must provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event; describe the

measures taken or to be taken to minimize the delay in reporting; and identify a date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported. In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs. The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

■ 45. Section 63.4930 is amended by revising paragraphs (j), (k) introductory text, and (k)(1) and (2) to read as follows:

§ 63.4930 What records must I keep?

* * * * *

(j) Before September 12, 2019, you must keep records of the date, time, and duration of each deviation. On and after September 12, 2019, for each deviation from an emission limitation reported under § 63.4920(a)(5) through (7), you must keep a record of the information specified in paragraphs (j)(1) through (4) of this section, as applicable.

(1) The date, time, and duration of the deviation, as reported under § 63.4920(a)(5) through (7).

(2) A list of the affected sources or equipment for which the deviation occurred and the cause of the deviation, as reported under § 63.4920(a)(5) through (7).

(3) An estimate of the quantity of each regulated pollutant emitted over any applicable emission limit in § 63.4890 or any applicable operating limit(s) in Table 1 to this subpart, and a description of the method used to calculate the estimate, as reported under § 63.4920(a)(5) through (7).

(4) A record of actions taken to minimize emissions in accordance with § 63.4900(b) and any corrective actions taken to return the affected unit to its normal or usual manner of operation.

(k) If you use the emission rate with add-on controls option, you must also keep the records specified in paragraphs (k)(1) through (8) of this section.

(1) Before September 12, 2019, for each deviation, a record of whether the deviation occurred during a period of startup, shutdown, or malfunction. The record in this paragraph (k)(1) is not required on and after September 12, 2019.

(2) Before September 12, 2019, the records in § 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction. The records in this paragraph (k)(2) are not required on and after September 12, 2019.

* * * * *

■ 46. Section 63.4931 is amended by revising paragraph (a) to read as follows:

§ 63.4931 In what form and for 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). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. Any records required to be maintained by this subpart that are in reports that were submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

* * * * *

■ 47. Section 63.4941 is amended by revising paragraphs (a)(1)(i), (a)(2) and (4), and (b)(1), the definitions of "M_{volatiles}" and "D_{avg}" in Equation 1 in paragraph (b)(3), and paragraphs (c) and (e) to read as follows:

§ 63.4941 How do I demonstrate initial compliance with the emission limitations?

* * * * *

(a) * * *

(1) * * *

(i) Count each organic HAP in Table 5 to this subpart that is measured to be present at 0.1 percent by mass or more and at 1.0 percent by mass or more for other organic HAP compounds. For example, if toluene (not listed in Table 5 to this subpart) is measured to be 0.5 percent of the material by mass, you do not have to count it. Express the mass fraction of each organic HAP you count as a value truncated to four places after the decimal point (for example, 0.3791).

* * * * *

(2) *Method 24 in appendix A-7 of part 60.* For coatings, you may use Method 24 to determine the mass fraction of nonaqueous volatile matter and use that value as a substitute for mass fraction of organic HAP. As an alternative to using Method 24, you may use ASTM D2369-10 (R2015), "Test Method for Volatile Content of Coatings" (incorporated by reference, see § 63.14).

* * * * *

(4) *Information from the supplier or manufacturer of the material.* You may rely on information other than that generated by the test methods specified in paragraphs (a)(1) through (3) of this section, such as manufacturer's formulation data, if it represents each organic HAP in Table 5 to this subpart that is present at 0.1 percent by mass or

more and at 1.0 percent by mass or more for other organic HAP compounds. For example, if toluene (not listed in Table 5 to this subpart) is 0.5 percent of the material by mass, you do not have to count it. If there is a disagreement between such information and results of a test conducted according to paragraphs (a)(1) through (3) of this section, then the test method results will take precedence.

* * * * *

(b) * * *

(1) *Test results.* You may use ASTM D2697-03 (R2014), "Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings", or D6093-97 (R2016), "Standard Test Method for Percent Volume Nonvolatile Matter in Clear or Pigmented Coatings Using a Helium Gas Pycnometer" (both incorporated by reference, *see* § 63.14), to determine the volume fraction of coating solids for each coating. Divide the nonvolatile volume percent obtained with the methods by 100 to calculate volume fraction of coating solids. Alternatively, you may use another test method once you obtain approval from the Administrator according to the requirements of § 63.7(f).

* * * * *

(3) * * *

$M_{volatiles}$ = Total volatile matter content of the coating, including HAP, volatile organic compounds (VOC), water, and exempt compounds, determined according to Method 24 in appendix A-7 of part 60, or according to ASTM D2369-10 (R2015) Standard Test Method for Volatile Content of Coatings (incorporated by reference, *see* § 63.14), grams volatile matter per liter coating.
 D_{avg} = Average density of volatile matter in the coating, grams volatile matter per liter volatile matter, determined from test results using ASTM D1475-13, "Standard Test Method for Density of Liquid Coatings, Inks, and Related Products" (incorporated by reference, *see* § 63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If there is disagreement between ASTM

D1475-13 test results and other information sources, the test results will take precedence.

(c) *Determine the density of each coating.* You must determine the density of each coating used during the compliance period from test results using ASTM D1475-13, "Standard Test Method for Density of Liquid Coatings, Inks, and Related Products" (incorporated by reference, *see* § 63.14), or information from the supplier or manufacturer of the material. If there is disagreement between ASTM D1475-13 test results and the supplier's or manufacturer's information, the test results will take precedence.

* * * * *

(e) *Compliance demonstration.* The calculated organic HAP content for each coating used during the initial compliance period must be less than or equal to the applicable emission limit in § 63.4890 and each thinner and cleaning material used during the initial compliance period must contain no organic HAP, determined according to paragraph (a) of this section. You must keep all records required by §§ 63.4930 and 63.4931. As part of the Notification of Compliance Status required in § 63.4910(c) and the semiannual compliance reports required in § 63.4920, you must identify each coating operation and group of coating operations for which you used the compliant material option. If there were no deviations from the emission limit, include a statement that each coating operation was in compliance with the emission limitations during the initial compliance period because it used no coatings for which the organic HAP content exceeded the applicable emission limit in § 63.4890, and it used no thinners or cleaning materials that contained organic HAP.

■ 48. Section 63.4951 is amended by revising paragraph (c) to read as follows:

§ 63.4951 How do I demonstrate initial compliance with the emission limitations?

* * * * *

(c) *Determine the density of each material.* You must determine the density of each coating, thinner, and cleaning material used during the compliance period according to the requirements in § 63.4941(c).

* * * * *

■ 49. Section 63.4960 is amended by revising the section heading to read as follows:

§ 63.4960 By what date must I conduct initial performance tests and other initial compliance demonstrations?

* * * * *

■ 50. Section 63.4961 is amended by revising paragraphs (h) introductory text and (j)(3) to read as follows:

§ 63.4961 How do I demonstrate initial compliance?

* * * * *

(h) *Calculate the organic HAP emission reduction for controlled coating operations not using liquid-liquid material balance.* For each controlled coating operation using an emission capture system and add-on control device other than a solvent recovery system for which you conduct liquid-liquid material balances, calculate the organic HAP emission reduction, using Equation 1 of this section. The calculation applies the emission capture system efficiency and add-on control device efficiency to the mass of organic HAP contained in the coatings, thinners, and cleaning materials that are used in the coating operation served by the emission capture system and add-on control device during the compliance period. For any period of time a deviation specified in § 63.4962(c) or (d) occurs in the controlled coating operation, you must assume zero efficiency for the emission capture system and add-on control device. Equation 1 of this section treats the materials used during such a deviation as if they were used on an uncontrolled coating operation for the time period of the deviation:

$$H_R = (A_1 + B_1 + C_1 - R_w) \left(\frac{CE}{100} \times \frac{DRE}{100} \right) + H_{unc} \quad (Eq. 1)$$

Where:

H_R = Mass of organic HAP emission reduction for the controlled coating operation during the compliance period, kg.

A_1 = Total mass of organic HAP in the coatings used in the controlled coating operation during the compliance period, excluding coatings used during

deviations, kg, as calculated in Equation 1A of this section.

B_1 = Total mass of organic HAP in the thinners used in the controlled coating operation during the compliance period, excluding thinners used during deviations, kg, as calculated in Equation 1B of this section.

C_1 = Total mass of organic HAP in the cleaning materials used in the controlled coating operation during the compliance period, excluding cleaning materials used during deviations, kg, as calculated in Equation 1C of this section.

R_w = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment

or disposal during the compliance period, kg, determined according to § 63.4951(e)(4). The mass of any waste material reused during the same compliance period may not be included in R_w . (You may assign a value of zero to R_w if you do not wish to use this allowance.)

CE = Capture efficiency of the emission capture system vented to the add-on control device, percent. Use the test methods and procedures specified in §§ 63.4963 and 63.4964 to measure and record capture efficiency.

DRE = Organic HAP destruction or removal efficiency of the add-on control device, percent. Use the test methods and procedures in §§ 63.4963 and 63.4965 to measure and record the organic HAP destruction or removal efficiency.

H_{unc} = Total mass of organic HAP in the coatings, thinners, and cleaning materials used during all deviations specified in § 63.4962(c) and (d) that occurred during the compliance period in the controlled coating operation, kg, as calculated in Equation 1D of this section.

* * * * *

(j) * * *

(3) Determine the mass fraction of volatile organic matter for each coating, thinner, and cleaning material used in the coating operation controlled by the solvent recovery system during the compliance period. You may determine the volatile organic matter mass fraction using Method 24 in appendix A-7 of part 60, ASTM D2369-10 (R2015), "Test Method for Volatile Content of Coatings" (incorporated by reference, see § 63.14), or an EPA-approved alternative method. Alternatively, you may use information provided by the manufacturer or supplier of the coating. In the event of any inconsistency between information provided by the manufacturer or supplier and the results of Method 24, ASTM D2369-10 (R2015), or an approved alternative method, the test method results will govern.

* * * * *

■ 51. Section 63.4962 is amended by revising the section heading and paragraph (c) introductory text and adding paragraph (c)(3) to read as follows:

§ 63.4962 How do I conduct periodic performance tests and demonstrate continuous compliance with the emission limitations?

* * * * *

(c) You must demonstrate continuous compliance with each operating limit required by § 63.4892 that applies to you, as specified in Table 1 to this subpart, and you must conduct periodic performance tests as specified in paragraph (c)(3) of this section.

* * * * *

(3) Except for solvent recovery systems for which you conduct liquid-liquid material balances according to § 63.4961(j), within 5 years following the previous performance test, you must conduct according to the procedures in §§ 63.4963, 63.4964, and 63.4965 a periodic performance test of each capture system and add-on control device used, and you must establish the operating limits required by § 63.4892. You must conduct the first periodic performance test and establish the operating limits required by § 63.4892 before March 15, 2022, unless you are already required to complete periodic performance tests as a requirement of renewing your facility's operating permit under 40 CFR part 70 or 40 CFR part 71 and have conducted a performance test on or after March 15, 2017. Thereafter you must conduct a performance test no later than 5 years following the previous performance test. Operating limits must be confirmed or reestablished during each performance test.

* * * * *

■ 52. Section 63.4963 is amended by revising paragraphs (a) introductory text and (a)(1) to read as follows:

§ 63.4963 What are the general requirements for performance tests?

(a) You must conduct each performance test required by §§ 63.4960 and 63.4962 according to the requirements in this section unless you obtain a waiver of the performance test according to the provisions in § 63.7(h).

(1) *Representative coating operation operating conditions.* You must conduct the performance test under representative operating conditions for the coating operation. Operations during periods of startup, shutdown, or nonoperation do not constitute representative conditions for purposes of conducting a performance test. The owner or operator may not conduct performance tests during periods of malfunction. You must record the process information that is necessary to document operating conditions during the test and explain why the conditions represent normal operation. Upon request, you must make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

* * * * *

■ 53. Section 63.4965 is amended by revising paragraphs (a)(1) through (4) and paragraph (b) to read as follows:

§ 63.4965 How do I determine the add-on control device emission destruction or removal efficiency?

* * * * *

(a) * * *

(1) Use Method 1 or 1A in appendix A-1 of part 60, as appropriate, to select sampling sites and velocity traverse points.

(2) Use Method 2, 2A, 2C, 2D, 2F in appendix A-1, or Method 2G in appendix A-2, of part 60, as appropriate, to measure gas volumetric flow rate.

(3) Use Method 3, 3A, or 3B in appendix A-2 of part 60, as appropriate, for gas analysis to determine dry molecular weight. You may also use as an alternative to Method 3B, the manual method for measuring the oxygen, carbon dioxide, and carbon monoxide content of exhaust gas in ANSI/ASME PTC 19.10-1981, "Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus]" (incorporated by reference, see § 63.14).

(4) Use Method 4 in appendix A-3 of part 60 to determine stack gas moisture.

* * * * *

(b) Measure total gaseous organic mass emissions as carbon at the inlet and outlet of the add-on control device simultaneously, using either Method 25 or 25A in appendix A-7 of part 60, as specified in paragraphs (b)(1) through (3) of this section. You must use the same method for both the inlet and outlet measurements. You may use Method 18 in appendix A-6 of part 60 to subtract methane emissions from measured total gaseous organic mass emissions as carbon.

* * * * *

■ 54. Section 63.4966 is amended by revising the section heading, introductory text, and paragraph (e)(1) to read as follows:

§ 63.4966 How do I establish the emission capture system and add-on control device operating limits during performance tests?

During the performance tests required by §§ 63.4960 and 63.4962, and described in §§ 63.4963, 63.4964, and 63.4965, you must establish the operating limits required by § 63.4892 according to this section, unless you have received approval for alternative monitoring and operating limits under § 63.8(f) as specified in § 63.4892.

* * * * *

(e) * * *

(1) During the capture efficiency determination required by §§ 63.4960 and 63.4962, and described in §§ 63.4963 and 63.4964, you must monitor and record either the gas volumetric flow rate or the duct static pressure for each separate capture device in your emission capture system at least once every 15 minutes during each of the three test runs at a point in

the duct between the capture device and the add-on control device inlet.

* * * * *

■ 55. Section 63.4967 is amended by revising paragraphs (a)(4) and (5) and (c)(3) introductory text to read as follows:

§ 63.4967 What are the requirements for continuous parameter monitoring system installation, operation, and maintenance?

(a) * * *

(4) You must maintain the CPMS at all times in accordance with § 63.4900(b) and have readily available necessary parts for routine repairs of the monitoring equipment.

(5) Before September 12, 2019, you must operate the CPMS and collect emission capture system and add-on control device parameter data at all times that a controlled coating operation is operating, except during monitoring malfunctions, repairs to correct the monitor malfunctions, and required quality assurance or control activities (including, if applicable, calibration checks and required zero and span adjustments). On and after September 12, 2019, you must operate the CPMS and collect emission capture system and

add-on control device parameter data at all times in accordance with § 63.4900(b).

* * * * *

(c) * * *
(3) For each gas temperature monitoring device, you must meet the requirements in paragraphs (a) and (c)(3)(i) through (vi) of this section for each gas temperature monitoring device. For the purposes of this paragraph (c)(3), a thermocouple is part of the temperature sensor.

* * * * *

■ 56. Section 63.4981 is amended by revising the definition for “Deviation” to read as follows:

§ 63.4981 What definitions apply to this subpart?

* * * * *

Deviation means:

(1) Before September 12, 2019, any instance in which an affected source subject to this subpart or an owner or operator of such a source:

(i) Fails to meet any requirement or obligation established by this subpart including but not limited to any emission limit, or operating limit, or work practice standard;

(ii) 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

(iii) Fails to meet any emission limit, or operating limit, or work practice standard in this subpart during startup, shutdown, or malfunction regardless of whether or not such failure is permitted by this subpart; and

(2) On and after September 12, 2019, any instance in which an affected source subject to this subpart or an owner or operator of such a source:

(i) Fails to meet any requirement or obligation established by this subpart including but not limited to any emission limit, or operating limit, or work practice standard; or

(ii) 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.

* * * * *

■ 57. Table 2 to subpart RRRR of part 63 is revised to read as follows:

TABLE 2 TO SUBPART RRRR OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART RRRR

[You must comply with the applicable General Provisions requirements according to the following table:]

Citation	Subject	Applicable to subpart	Explanation
§ 63.1(a)(1)–(12)	General Applicability	Yes	
§ 63.1(b)(1)–(3)	Initial Applicability Determination	Yes	Applicability to subpart RRRR is also specified in § 63.4881.
§ 63.1(c)(1)	Applicability After Standard Established	Yes	
§ 63.1(c)(2)–(3)	Applicability of Permit Program for Area Sources.	No	Area sources are not subject to subpart RRRR.
§ 63.1(c)(4)–(5)	Extensions and Notifications	Yes	
§ 63.1(e)	Applicability of Permit Program Before Relevant Standard is Set.	Yes	
§ 63.2	Definitions	Yes	Additional definitions are specified in § 63.4981.
§ 63.3(a)–(c)	Units and Abbreviations	Yes	
§ 63.4(a)(1)–(5)	Prohibited Activities	Yes	
§ 63.4(b)–(c)	Circumvention/Severability	Yes	
§ 63.5(a)	Construction/Reconstruction	Yes	
§ 63.5(b)(1)–(6)	Requirements for Existing, Newly Constructed, and Reconstructed Sources.	Yes	
§ 63.5(d)	Application for Approval of Construction/Reconstruction.	Yes	
§ 63.5(e)	Approval of Construction/Reconstruction	Yes	
§ 63.5(f)	Approval of Construction/Reconstruction Based on Prior State Review.	Yes	
§ 63.6(a)	Compliance With Standards and Maintenance Requirements—Applicability.	Yes	
§ 63.6(b)(1)–(7)	Compliance Dates for New and Reconstructed Sources.	Yes	Section 63.4883 specifies the compliance dates.
§ 63.6(c)(1)–(5)	Compliance Dates for Existing Sources	Yes	Section 63.4883 specifies the compliance dates.
§ 63.6(e)(1)(i)	Operation and Maintenance	Yes, before September 12, 2019. No, on and after September 12, 2019.	See § 63.4900(b) for general duty requirement.

TABLE 2 TO SUBPART RRRR OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART RRRR—Continued
 [You must comply with the applicable General Provisions requirements according to the following table:]

Citation	Subject	Applicable to subpart	Explanation
§ 63.6(e)(1)(ii)	Operation and Maintenance	Yes, before September 12, 2019. No, on and after September 12, 2019.	
§ 63.6(e)(1)(iii)	Operation and Maintenance	Yes	
§ 63.6(e)(3)	Startup, shutdown, and malfunction Plan (SSMP).	Yes, before September 12, 2019. No, on and after September 12, 2019.	
§ 63.6(f)(1)	Compliance Except During Startup, Shutdown, and Malfunction.	Yes, before September 12, 2019. No, on and after September 12, 2019.	
§ 63.6(f)(2)–(3)	Methods for Determining Compliance	Yes	
§ 63.6(g)(1)–(3)	Use of Alternative Standards	Yes	
§ 63.6(h)	Compliance With Opacity/Visible Emission Standards.	No	Subpart RRRR does not establish opacity standards and does not require continuous opacity monitoring systems (COMS).
§ 63.6(i)(1)–(16)	Extension of Compliance	Yes	
§ 63.6(j)	Presidential Compliance Exemption	Yes	
§ 63.7(a)(1)	Performance Test Requirements—Applicability.	Yes	Applies to all affected sources using an add-on control device to comply with the standards. Additional requirements for performance testing are specified in §§ 63.4963, 63.4964, and 63.4965.
§ 63.7(a)(2)	Performance Test Requirements—Dates ..	Yes	Applies only to performance tests for capture system and control device efficiency at sources using these to comply with the standards. Section 63.4960 specifies the schedule for performance test requirements that are earlier than those specified in § 63.7(a)(2).
§ 63.7(a)(3)	Performance Tests Required by the Administrator.	Yes	
§ 63.7(b)–(d)	Performance Test Requirements—Notification, Quality Assurance, Facilities Necessary Safe Testing, Conditions During Test.	Yes	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standards.
§ 63.7(e)(1)	Conduct of performance tests	Yes, before September 12, 2019. No, on and after September 12, 2019.	See § 63.4963(a).
§ 63.7(e)(2)–(4)	Conduct of performance tests	Yes..	
§ 63.7(f)	Performance Test Requirements—Use of Alternative Test Method.	Yes	Applies to all test methods except those used to determine capture system efficiency.
§ 63.7(g)–(h)	Performance Test Requirements—Data Analysis, Recordkeeping, Reporting, Waiver of Test.	Yes	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standards.
§ 63.8(a)(1)–(3)	Monitoring Requirements—Applicability	Yes	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standards. Additional requirements for monitoring are specified in § 63.4967.
§ 63.8(a)(4)	Additional Monitoring Requirements	No	Subpart RRRR does not have monitoring requirements for flares.
§ 63.8(b)	Conduct of Monitoring	Yes	
§ 63.8(c)(1)	Continuous Monitoring Systems (CMS) Operation and Maintenance.	Yes, before September 12, 2019. No, on and after September 12, 2019.	
§ 63.8(c)(2)–(3)	CMS Operation and Maintenance	Yes	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standards. Additional requirements for CMS operations and maintenance are specified in § 63.4967.

TABLE 2 TO SUBPART RRRR OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART RRRR—Continued
 [You must comply with the applicable General Provisions requirements according to the following table:]

Citation	Subject	Applicable to subpart	Explanation
§ 63.8(c)(4)	CMS	No	Section 63.4967 specifies the requirements for the operation of CMS for capture systems and add-on control devices at sources using these to comply.
§ 63.8(c)(5)	COMS	No	Subpart RRRR does not have opacity or visible emissions standards.
§ 63.8(c)(6)	CMS Requirements	No	Section 63.4967 specifies the requirements for monitoring systems for capture systems and add-on control devices at sources using these to comply.
§ 63.8(c)(7)	CMS Out-of-Control Periods	Yes	
§ 63.8(c)(8)	CMS Out-of-Control Periods Reporting	No	Section 63.4920 requires reporting of CMS out-of-control periods.
§ 63.8(d)–(e)	Quality Control Program and CMS Performance Evaluation.	No	Subpart RRRR does not require the use of CEMS.
§ 63.8(f)(1)–(5)	Use of an Alternative Monitoring Method ...	Yes..	
§ 63.8(f)(6)	Alternative to Relative Accuracy Test	No	Subpart RRRR does not require the use of CEMS.
§ 63.8(g)(1)–(5)	Data Reduction	No	Sections 63.4966 and 63.4967 specify monitoring data reduction.
§ 63.9(a)–(d)	Notification Requirements	Yes	
§ 63.9(e)	Notification of Performance Test	Yes	Applies only to capture system and add-on control device performance tests at sources using these to comply with the standards.
§ 63.9(f)	Notification of Visible Emissions/Opacity Test.	No	Subpart RRRR does not have opacity or visible emission standards.
§ 63.9(g)(1)–(3)	Additional Notifications When Using CMS	No	Subpart RRRR does not require the use of CEMS.
§ 63.9(h)	Notification of Compliance Status	Yes	Section 63.4910 specifies the dates for submitting the notification of compliance status.
§ 63.9(i)	Adjustment of Submittal Deadlines	Yes	
§ 63.9(j)	Change in Previous Information	Yes	
§ 63.10(a)	Recordkeeping/Reporting—Applicability and General Information.	Yes	
§ 63.10(b)(1)	General Recordkeeping Requirements	Yes	Additional requirements are specified in §§ 63.4930 and 63.4931.
§ 63.10(b)(2)(i)	Recordkeeping of Occurrence and Duration of Startups and Shutdowns.	Yes, before September 12, 2019. No, on and after September 12, 2019.	See § 63.4930(j).
§ 63.10(b)(2)(ii)	Recordkeeping of Failures to Meet Standards.	Yes, before September 12, 2019. No, on and after September 12, 2019.	See § 63.4930(j).
§ 63.10(b)(2)(iii)	Recordkeeping Relevant to Maintenance of Air Pollution Control and Monitoring Equipment.	Yes	
§ 63.10(b)(2)(iv)–(v)	Actions Taken to Minimize Emissions During SSM.	Yes, before September 12, 2019.. No, on and after September 12, 2019.	See § 63.4930(j)(4) for a record of actions taken to minimize emissions during a deviation from the standard.
§ 63.10(b)(2)(vi)	Recordkeeping for CMS malfunctions	Yes, before September 12, 2019. No, on and after September 12, 2019.	See § 63.4930(j) for records of periods of deviation from the standard, including instances where a CMS is inoperative or out-of-control.
§ 63.10(b)(2)(vii)–(xi)	Records	Yes	
§ 63.10(b)(2)(xii)	Records	Yes	
§ 63.10(b)(2)(xiii)		No	Subpart RRRR does not require the use of CEMS.
§ 63.10(b)(2)(xiv)		Yes	
§ 63.10(b)(3)	Recordkeeping Requirements for Applicability Determinations.	Yes	
§ 63.10(c)(1)–(6)	Additional Recordkeeping Requirements for Sources with CMS.	Yes	
§ 63.10(c)(7)–(8)	Additional Recordkeeping Requirements for Sources with CMS.	No	See § 63.4930(j)(1) for records of periods of deviation from the standard, including instances where a CMS is inoperative or out-of-control.

TABLE 2 TO SUBPART RRRR OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART RRRR—Continued
 [You must comply with the applicable General Provisions requirements according to the following table:]

Citation	Subject	Applicable to subpart	Explanation
§ 63.10(c)(10)–(14)	Additional Recordkeeping Requirements for Sources with CMS.	Yes	
§ 63.10(c)(15)	Records Regarding the SSMP	Yes, before September 12, 2019. No, on and after September 12, 2019.	
§ 63.10(d)(1)	General Reporting Requirements	Yes	Additional requirements are specified in § 63.4920.
§ 63.10(d)(2)	Report of Performance Test Results	Yes	Additional requirements are specified in § 63.4920(b).
§ 63.10(d)(3)	Reporting Opacity or Visible Emissions Observations.	No	Subpart RRRR does not require opacity or visible emissions observations.
§ 63.10(d)(4)	Progress Reports for Sources With Compliance Extensions.	Yes	
§ 63.10(d)(5)	Startup, Shutdown, and Malfunction Reports.	Yes, before September 12, 2019. No, on and after September 12, 2019.	See § 63.4920(a)(7).
§ 63.10(e)(1)–(2)	Additional CMS Reports	No	Subpart RRRR does not require the use of CEMS.
§ 63.10(e)(3)	Excess Emissions/CMS Performance Reports.	No	Section 63.4920(a) specifies the contents of periodic compliance reports.
§ 63.10(e)(4)	COMS Data Reports	No	Subpart RRRR does not specify requirements for opacity or COMS.
§ 63.10(f)	Recordkeeping/Reporting Waiver	Yes	
§ 63.11	Control Device Requirements/Flares	No	Subpart RRRR does not specify use of flares for compliance.
§ 63.12	State Authority and Delegations	Yes	
§ 63.13	Addresses	Yes	
§ 63.14	Incorporation by Reference	Yes	
§ 63.15	Availability of Information/Confidentiality	Yes	

■ 58. Table 5 to subpart RRRR of part 63 is added to read as follows:

TABLE 5 TO SUBPART RRRR OF PART 63—LIST OF HAZARDOUS AIR POLLUTANTS THAT MUST BE COUNTED TOWARD TOTAL ORGANIC HAP CONTENT IF PRESENT AT 0.1 PERCENT OR MORE BY MASS

Chemical name	CAS No.
1,1,2,2-Tetrachloroethane	79-34-5
1,1,2-Trichloroethane	79-00-5
1,1-Dimethylhydrazine	57-14-7
1,2-Dibromo-3-chloropropane	96-12-8
1,2-Diphenylhydrazine	122-66-7
1,3-Butadiene	106-99-0
1,3-Dichloropropene	542-75-6
1,4-Dioxane	123-91-1
2,4,6-Trichlorophenol	88-06-2
2,4,2,6-Dinitrotoluene (mixture)	25321-14-6
2,4-Dinitrotoluene	121-14-2
2,4-Toluene diamine	95-80-7
2-Nitropropane	79-46-9
3,3'-Dichlorobenzidine	91-94-1
3,3'-Dimethoxybenzidine	119-90-4
3,3'-Dimethylbenzidine	119-93-7
4,4'-Methylene bis(2-chloroaniline)	101-14-4
Acetaldehyde	75-07-0
Acrylamide	79-06-1
Acrylonitrile	107-13-1
Allyl chloride	107-05-1
alpha-Hexachlorocyclohexane (a-HCH)	319-84-6
Aniline	62-53-3
Benzene	71-43-2
Benzidine	92-87-5
Benzotrichloride	98-07-7
Benzyl chloride	100-44-7
beta-Hexachlorocyclohexane (b-HCH)	319-85-7

TABLE 5 TO SUBPART RRRR OF PART 63—LIST OF HAZARDOUS AIR POLLUTANTS THAT MUST BE COUNTED TOWARD TOTAL ORGANIC HAP CONTENT IF PRESENT AT 0.1 PERCENT OR MORE BY MASS—Continued

Chemical name	CAS No.
Bis(2-ethylhexyl)phthalate	117-81-7
Bis(chloromethyl)ether	542-88-1
Bromoform	75-25-2
Captan	133-06-2
Carbon tetrachloride	56-23-5
Chlordane	57-74-9
Chlorobenzilate	510-15-6
Chloroform	67-66-3
Chloroprene	126-99-8
Cresols (mixed)	1319-77-3
DDE	3547-04-4
Dichloroethyl ether	111-44-4
Dichlorvos	62-73-7
Epichlorohydrin	106-89-8
Ethyl acrylate	140-88-5
Ethylene dibromide	106-93-4
Ethylene dichloride	107-06-2
Ethylene oxide	75-21-8
Ethylene thiourea	96-45-7
Ethylidene dichloride (1,1-Dichloroethane)	75-34-3
Formaldehyde	50-00-0
Heptachlor	76-44-8
Hexachlorobenzene	118-74-1
Hexachlorobutadiene	87-68-3
Hexachloroethane	67-72-1
Hydrazine	302-01-2
Isophorone	78-59-1
Lindane (hexachlorocyclohexane, all isomers)	58-89-9
m-Cresol	108-39-4
Methylene chloride	75-09-2
Naphthalene	91-20-3
Nitrobenzene	98-95-3
Nitrosodimethylamine	62-75-9
o-Cresol	95-48-7
o-Toluidine	95-53-4
Parathion	56-38-2
p-Cresol	106-44-5
p-Dichlorobenzene	106-46-7
Pentachloronitrobenzene	82-68-8
Pentachlorophenol	87-86-5
Propoxur	114-26-1
Propylene dichloride	78-87-5
Propylene oxide	75-56-9
Quinoline	91-22-5
Tetrachloroethene	127-18-4
Toxaphene	8001-35-2
Trichloroethylene	79-01-6
Trifluralin	1582-09-8
Vinyl bromide	593-60-2
Vinyl chloride	75-01-4
Vinylidene chloride	75-35-4

