SC DEPARTMENT *of*
ENVIRONMENTAL
SERVICES

Bureau of Air Quality
Synthetic Minor Construction Permit

Arclin Surfaces LLC - Dillon Facility
219 Harllees Bridge Road
Dillon, South Carolina 29536
Dillon County

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5), 48-1-100(A), and 48-1-110(a), the 1976 Code of Laws of South Carolina, as amended, and South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards, the Bureau of Air Quality authorizes the construction of this facility and the equipment specified herein in accordance with the plans, specifications, and other information submitted in the construction permit application received on March 14, 2025, as amended. All official correspondence, plans, permit applications, and written statements are an integral part of the permit. Any false information or misrepresentation in the application for a construction permit may be grounds for permit revocation.

The construction and subsequent operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

Permit Number: **CP-50000298 v1.0**
Agency Air Number: **0880-0054**

Issue Date: **DRAFT**

Steve McCaslin, P. E., Director
Air Permitting Division
Bureau of Air Quality

RECORD OF REVISIONS	
Date	**Description of Changes**

A. PROJECT DESCRIPTION, EQUIPMENT, AND CONTROL DEVICE(S)

Permission is hereby granted to utilize two new categories of coating materials at the facility: Legacy MDO and Next Generation MDO. A NO_X synthetic minor limit is being added due to an increase in potential NO_X resulting from new coatings.

A.1 EQUIPMENT

Equipment ID	Equipment Description	Control Device ID	Emission Point ID
CA-1	*Existing* - Chemical Application Section 1	CD-TO-1	ERP-TO-1
D-1	*Existing* - 13.7 Million BTU/hr Natural Gas-Fired Rotary Dryer	CD-TO-1	ERP-TO-1
D-2	*Existing* – 11.2 Million BTU/hr Natural Gas-Fired Rotary Dryer	CD-TO-1	ERP-TO-1
D-3	*Existing – 9.8* Million BTU/hr Natural Gas-Fired Rotary Dryer	CD-TO-1	ERP-TO-1
CA-2	*Existing* - Chemical Application Section 2	CD-TO-1	ERP-TO-1
CA-3	*Existing* - Chemical Application Section 3	CD-TO-1	ERP-TO-1
MIX-1	*Existing* - Mixing Operation	None	Fugitive
SC	*Existing* - Solvent Cleaning Operations	None	Fugitive
HB-1	*Existing* – Hot Box 1	CD-TO-1	ERP-TO-1
CA-4	*Permitted/Not Yet Constructed* - Chemical Application Section 4	CD-TO-2	ERP-TO-2
D-4	*Permitted/Not Yet Constructed* - 16.3 million BTU/hr Natural Gas-Fired Dryer	CD-TO-2	ERP-TO-2
D-5	*Permitted/Not Yet Constructed* – 9.9 million BTU/hr Natural Gas-Fired Dryer	CD-TO-2	ERP-TO-2
D-6	*Permitted/Not Yet Constructed* – 9.8 million BTU/hr Natural Gas-Fired Dryer	CD-TO-2	ERP-TO-2
CA-5	*Permitted/Not Yet Constructed* - Chemical Application Section 5	CD-TO-2	ERP-TO-2
CA-6	*Permitted/Not Yet Constructed* - Chemical Application Section 6	CD-TO-2	ERP-TO-2
SC-2	*Permitted/Not Yet Constructed* - Solvent Cleaning Operations	None	Fugitive
HB-2	*Permitted/Not Yet Constructed* – Hot Box 2	CD-TO-2	ERP-TO-2

A.2 CONTROL DEVICES

Control Device ID	Control Device Description	Pollutant(s) Controlled	Emission Point ID
CD-TO-1	11 Million BTU/hr Thermal Oxidizer	Formaldehyde, Methanol, Phenol, Vinyl Acetate, VOC	ERP-TO-1
CD-TO-2	*Permitted/Not Yet Constructed* - 9.8 Million BTU/hr Thermal Oxidizer	Formaldehyde, Methanol, Phenol, Vinyl Acetate, VOC	ERP-TO-2

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
B.1	**Equipment ID:** Facility-wide **Control Device ID:** Facility-wide (S.C. Regulation 61-62.1, Section II(E)) This facility is a potential major source for NO_x emissions. The facility has requested federally enforceable emissions limitations to limit its potential to emit to less than 250.0 tons per year for NO_x emissions to avoid PSD.
B.2	**Equipment ID:** Facility-wide **Control Device ID:** Facility-wide (S.C. Regulation 61-62.1, Section II(E)) The owner or operator shall maintain fuel use records, product safety data sheets/technical data sheets, and any other records necessary to determine facility wide NO_x emissions. NO_x emissions shall be calculated on a monthly basis, and a twelve month rolling sum shall be calculated for total NO_x emissions. Facility-wide emission totals must include emissions from insignificant activities. Emissions from malfunctions are required to be quantified and included in the calculations. The twelve month rolling sum shall be less than 250.0 tons. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted semiannually. An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall only be included in the initial report. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information.
B.3	**Equipment ID:** Facility-wide **Control Device ID:** Facility-wide (S.C. Regulation 61-62.1, Section II(J)(2)) The facility is limited to utilizing the Legacy MDO coating on one web coating line at a time in order to comply with S.C. Regulation 61-62.5, Standard No. 2. The owner of operator must record the amount of Legacy MDO coating consumed in Chemical Application Sections 1 and 4, each operating day. Before the facility may utilize the Legacy MDO coating on both lines simultaneously, the owner or operator must obtain approval by the Department and may require a new demonstration of compliance with the above listed standard. Reports of the coating type utilized on each web coating line shall be submitted semiannually. This is a State Only requirement.
B.4	**Equipment ID:** Facility-wide **Control Device ID:** Facility-wide (S.C. Regulation 61-62.1, Section II(E) This facility has established federally enforceable emissions limitations to limit its potential to emit to less than 250.0 tons per year for VOC emissions to avoid PSD.
B.5	**Equipment ID:** Facility-wide **Control Device ID:** Facility-wide

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
	(S.C. Regulation 61-62.1, Section II(E) and II(J)(2) The owner or operator shall maintain records of all volatile organic compounds (VOC). These records shall include the total amount of each material used, the VOC content in percent by weight of each material and any other records necessary to determine VOC emissions. VOC emissions shall be calculated monthly, and a twelve-month rolling sum shall be calculated monthly. Facility-wide emission totals must include emissions from insignificant activities. Emissions from malfunctions are required to be quantified and included in the calculations. The twelve-month rolling sum shall be less than 250.0 tons for VOC. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted semiannually. An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall only be included in the initial report. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information.
B.6	**Control Device ID:** CD-TO-1, CD-TO-2 (S.C. Regulation 61-62.5, Standard No. 3, Section III(I)(1)) Emissions from these sources shall not exhibit an opacity greater than 20%, each. This is a State Only requirement.
B.7	**Control Device ID:** CD-TO-1, CD-TO-2 (S.C. Regulation 61-62.5, Standard No. 3, Section III(I)(2)) Particulate matter emissions from this source shall not exceed 0.5 pound per million BTU total heat input. The total heat input value from waste and virgin fuel used for production shall not exceed the BTUs used to affect the combustion of the waste and shall not include any BTU input from auxiliary burners located outside the primary combustion chamber such as those found in secondary combustion chambers, tertiary combustion chambers, or afterburners unless those auxiliary burners are fired with waste. In the case where waste is fired in the auxiliary burners located outside the primary combustion chamber, only the BTU value of the fuel for the auxiliary burner which is from waste shall be added to the total heat input value.
B.8	**Equipment ID:** CA-1, D-1, CA-2, CA-3, MIX-1, SC, CA-4, D-4, CA-5, CA-6, SC-2, HB-1, HB-2 **Control Device ID:** CD-TO-1, CD-TO-2 (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 20%, each.
B.9	**Equipment ID:** D-4 (S.C. Regulation 61-62.5, Standard No. 5.2, Section III) Low NO_X burner manufacturer certification(s) are required to verify that the allowable discharge of NO_X resulting from these sources will comply with S.C. Regulation 61-62.5, Standard No. 5.2, Section III. The manufacturer certification(s) shall be provided to the Department at least 30 days prior to startup of operations.

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
	In the event that the low NO_X burner manufacturer certification(s) have not been provided to the Department at least 30 days prior to startup of operations, an initial source test to verify the NO_X emissions from these sources shall be conducted within 180 days after startup. The source test will be used to verify that the NO_X emissions resulting from these sources will comply with S.C. Regulation 61-62.5, Standard No. 5.2.
B.10	**Equipment ID:** D-1, D-4 (S.C. Regulation 61-62.5, Standard No. 5.2, Section III) The allowable discharge of NO_X resulting from these sources is 0.0686 pound per million BTU.
B.11	**Equipment ID:** D-1, D-4 (S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) The owner or operator shall perform tune-ups every twenty-four (24) months in accordance with manufacturer's specifications or with good engineering practices. The first tune-up shall be conducted no more than twenty-four (24) months from start-up of operation for affected new sources. Each subsequent tune-up shall be conducted no more than twenty-four (24) months after the previous tune-up. All tune-up records are required to be maintained on site and available for inspection by the Department for a period of five (5) years from the date generated. The owner or operator shall develop and retain a tune-up plan on file.
B.12	**Equipment ID:** D-1, D-4 (S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) The owner or operator shall record monthly the amounts and types of each fuel combusted by the affected sources and maintain these records on site. The owner or operator shall maintain records of the occurrence and duration of any malfunction in the operation of an affected source; any malfunction of the air pollution control equipment; and any periods during which a continuous monitoring system or monitoring device is inoperative.
B.13	**Equipment ID:** CA-1, D-1, CA-2, CA-3, MIX-1, SC, CA-4, D-4, CA-5, CA-6, SC-2, HB-1, HB-2 **Control Device ID:** CD-TO-1, CD-TO-2 (S.C. Regulation 61-62.1, Section II(J)(2)) The owner or operator shall inspect, calibrate, adjust, and maintain continuous monitoring systems, monitoring devices, and gauges in accordance with manufacturer's specifications or good engineering practices. The owner or operator shall maintain on file all measurements including continuous monitoring system or monitoring device performance measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required in a permanent form suitable for inspection by Department personnel.

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
	(S.C. Regulation 61-62.1, Section II(J)(1)(d)) Sources required to have continuous emission monitors shall submit reports as specified in applicable parts of the permit, law, regulations, or standards.
B.14	**Equipment ID:** CA-1, D-1, CA-2, CA-3, MIX-1, SC, CA-4, D-4, CA-5, CA-6, SC-2, HB-1, HB-2 **Control Device ID:** CD-TO-1, CD-TO-2 (S.C. Regulation 61-62.1, Section II(J)(2)) All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings (e.g., pressure drop readings, flow rates, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each occurrence of operation outside the operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site. Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these occurrences shall be submitted semiannually. If there were no occurrences during the reporting period, then documentation shall be submitted to indicate such. Any alternative method for monitoring control device performance must be preapproved by the Department and shall be incorporated into the permit as set forth in S.C. Regulation 61-62.70.7.
B.15	**Equipment ID:** CA-1, D-1, CA-2, D-2, CA-3, D-3, HB-1 **Control Device ID:** CD-TO-1 (S.C. Regulation 61-62.1, Section II(J)(2)) The owner or operator shall continue to operate and maintain combustion zone and/or afterburner temperature indicators on the incinerator. Temperature readings shall be recorded at least every fifteen (15) minutes during source operation for the incinerator. Facilities with automated data collection may collect monitoring data on a more frequent basis and calculate the daily average. Readings collected when the source is shutdown or not operating may not be used in the calculation. The owner or operator must get approval from the Department for an increased frequency/averaging plan prior to using averaging for parametric monitoring. The owner or operator shall continue to record daily, the calculated monitoring averages using the approved increased frequency/averaging plan unless prior approval is obtained from the Department for changing the plan. Maintenance checks for proper temperature indicator operation shall be made on at least a weekly basis. The checks and any corrective actions shall be documented and kept on-site. The incinerator shall be in place and operational whenever processes controlled by it are running, except during periods of flame incinerator malfunction or mechanical failure.
B.16	**Equipment ID:** CA-1, D-1, CA-2, D-2, CA-3, D-3, HB-1 **Control Device ID:** CD-TO-1 (S.C. Regulation 61-62.1, Section II(J)(2)) Operational ranges for the monitored parameters shall be reviewed and re-established (if appropriate) to ensure proper operation of the pollution control

B. LIMITATIONS, MONITORING, AND REPORTING

Condition Number	Conditions
	equipment. These operational ranges for the monitored parameters shall be derived from source test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. If ranges need to be re-established, these ranges and supporting documentation (certification from manufacturer, source test results, 30 days of normal readings, opacity readings, etc.) shall be submitted to the Department within 180 days of startup/modification.
B.17	**Equipment ID:** CA-4, D-4, CA-5, D-5, CA-6, D-6, HB-2 **Control Device ID:** CD-TO-2 (S.C. Regulation 61-62.1, Section II(J)(2)) The owner or operator shall install, operate, and maintain combustion zone and/or afterburner temperature indicators on the incinerator. Temperature readings shall be recorded at least every fifteen (15) minutes during source operation for the incinerator. Facilities with automated data collection may collect monitoring data on a more frequent basis and calculate the daily average. Readings collected when the source is shutdown or not operating may not be used in the calculation. The owner or operator must get approval from the Department for an increased frequency/averaging plan prior to using averaging for parametric monitoring. The owner or operator shall continue to record daily, the calculated monitoring averages using the approved increased frequency/averaging plan unless prior approval is obtained from the Department for changing the plan. Maintenance checks for proper temperature indicator operation shall be made on at least a weekly basis. The checks and any corrective actions shall be documented and kept on-site. The incinerator shall be in place and operational whenever processes controlled by it are running, except during periods of flame incinerator malfunction or mechanical failure.
B.18	**Equipment ID:** CA-4, D-4, CA-5, D-5, CA-6, D-6, HB-2 **Control Device ID:** CD-TO-2 (S.C. Regulation 61-62.1, Section II(J)(2)) Operational ranges for the monitored parameters shall be established to ensure proper operation of the pollution control equipment. These operational ranges for the monitored parameters shall be derived from stack test data, which demonstrate the proper operation of the equipment. Prior to the first source test, the facility shall use manufacturer's recommendations for operational ranges. The manufacturer's recommendations must be maintained on site. These ranges and supporting documentation (certification from manufacturer, source test results, 30 days of normal readings, opacity readings, etc.) shall be submitted to the Department within 180 days of startup. Operating ranges may be updated following submittal to the Department.
B.19	**Equipment ID:** CA-1, D-1, CA-2, CA-3, MIX-1, SC, CA-4, D-4, CA-5, CA-6, SC-2, HB-1, HB-2 **Control Device ID:** CD-TO-1, CD-TO-2 (S.C. Regulation 61-62.1, Section IV) All emissions points, duct work and other locations that are required to be tested, shall be designed and constructed in a manner to facilitate testing in accordance with applicable EPA approved source testing methods; including, but not be limited to,

B. LIMITATIONS, MONITORING, AND REPORTING	
Condition Number	**Conditions**
	methods specifying test port location and sizing criteria. For any source test required under an applicable standard or permit condition, the owner, operator, or representative shall comply with S.C. Regulation 61-62.1, Section IV - Source Tests. Unless approved otherwise by the Department, the owner, operator, or representative shall ensure that source tests are conducted while the source is operating at the maximum expected production rate or other production rate or operating parameter which would result in the highest emissions for the pollutants being tested. Some sources may have to spike fuels or raw materials to avoid being subjected to a more restrictive feed or process rate. Any source test performed at a production rate less than the rated capacity may result in permit limits on emission rates, including limits on production if necessary. When conducting source tests subject to this section, the owner, operator, or representative shall provide the following: • Department access to the facility to observe source tests; • Sampling ports adequate for test methods; • Safe sampling site(s); • Safe access to sampling site(s); • Utilities for sampling and testing equipment; and • Equipment and supplies necessary for safe testing of a source. The owner or operator shall comply with any limits that result from conducting a source test at less than rated capacity. A copy of the most recent Department issued source test summary letter, whether it imposes a limit or not, shall be maintained with the operating permit, for each source that is required to conduct a source test. Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Department.

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
C.1	(40 CFR §63.9(a)(4)(ii) and §63.10(a)(4)(ii)) All NESHAP notifications and reports shall be sent to the Department. Electronic submission of notifications or reports to the United States Environmental Protection Agency (US EPA) via CEDRI (Compliance and Emissions Data Reporting Interface) shall serve as the submission to the Department. CEDRI can be accessed through the EPA's Central Data Exchange (CDX).
C.2	(40 CFR §63.9(a)(4)(ii) and §63.10(a)(4)(ii)) All NESHAP notifications and reports requiring electronic submission to US EPA shall be submitted to EPA via CEDRI. Notifications and reports for specific

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
	NESHAP subparts not yet requiring electronic submission may also be submitted via CEDRI. Notifications and the accompanying cover letter for periodic reports not submitted via CEDRI shall be sent to the US EPA Region 4 Air and Radiation Division as required by the applicable subpart.
C.3	Emergency engines less than or equal to 150 kilowatt (kW) rated capacity, emergency engines greater than 150 kW rated capacity designated for emergency use only and operated a total of 500 hours per year or less for testing and maintenance and have a method to record the actual hours of use, such as an hour meter, and diesel engine driven emergency fire pumps that are operated a total of 500 hours per year or less for testing and maintenance and have a method to record the actual hours of use, such as an hour meter, have been determined to be exempt from construction permitting requirements in accordance with S.C. Regulation 61-62.1. (40 CFR 60; 40 CFR 63) If present, these sources shall still comply with the requirements of all applicable regulations, including but not limited to the following: New Source Performance Standards (NSPS) 40 CFR 60 Subpart A (General Provisions); NSPS 40 CFR 60 Subpart IIII (Stationary Compression Ignition Internal Combustion Engines); NSPS 40 CFR 60 Subpart JJJJ (Stationary Spark Ignition Internal Combustion Engines); National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subpart A (General Provisions); and NESHAP 40 CFR 63 Subpart ZZZZ (Stationary Reciprocating Internal Combustion Engines).
C.4	(S.C. Regulation 61-62.63; 40 CFR 63) This facility has processes subject to the provisions of S.C. Regulation 61-62.63 and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and JJJJ, Paper and Other Web Coating. Existing affected sources shall be in compliance with the requirements of these Subparts by the compliance date, unless otherwise noted. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted.
C.5	**Emission Unit ID:** 01, 02 **Equipment ID:** All **Control Device ID:** All § 63.3320 What emission standards must I meet? (a) If you own or operate any affected source that is subject to the requirements of this subpart, you must comply with these requirements on and after the compliance dates as specified in § 63.3330. (b) You must limit organic HAP emissions to the level specified in paragraph (b)(1), (2), (3), or (4) of this section for all periods of operation, including startup, shutdown, and malfunction (SSM). (1) No more than 5 percent of the organic HAP applied for each month (95 percent reduction) at existing affected sources, and no more than 2 percent of the organic HAP applied for each month

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
	(98 percent reduction) at new affected sources; or (c) You must demonstrate compliance with this subpart by following the procedures in § 63.3370.
C.6	**Emission Unit ID:** 01, 02 **Equipment ID:** All **Control Device ID:** All § 63.3321 What operating limits must I meet? (a) For any web coating line or group of web coating lines for which you use add-on control devices to demonstrate compliance with the emission standards in § 63.3320, unless you use a solvent recovery system and conduct a liquid-liquid material balance, you must meet the operating limits specified in Table 1 to this subpart or according to paragraph (b) of this section. These operating limits apply to emission capture systems and control devices used to demonstrate compliance with this subpart, and you must establish the operating limits during the performance test according to the requirements in § 63.3360(e)(3). You must meet the operating limits at all times after you establish them. (b) If you use an add-on control device other than those listed in Table 1 to this subpart or wish to monitor an alternative parameter and comply with a different operating limit, you must apply to the Administrator for approval of alternative monitoring under § 63.8(f).
C.7	**Emission Unit ID:** 01, 02 **Equipment ID:** All **Control Device ID:** All § 63.3330 When must I comply? (b) For new affected sources which commenced construction or reconstruction after September 19, 2019, you must comply as indicated in paragraphs (b)(1) through (3) of this section. Existing affected sources which have undergone reconstruction as defined in § 63.2 are subject to the requirements for new affected sources. The costs associated with the purchase and installation of air pollution control equipment are not considered in determining whether the existing affected source has been reconstructed. Additionally, the costs of retrofitting and replacing of equipment that is installed specifically to comply with this subpart are not considered reconstruction costs. (1) The coating operation(s) must be in compliance with the applicable emission limit in § 63.3320 at all times, including periods of SSM, starting July 9, 2020, or immediately upon startup, whichever is later. (2) You must complete any initial performance test required in § 63.3360 within the time limits

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
	specified in § 63.7(a)(2), and subsequent tests no later than 60 months thereafter. (3) You must electronically submit initial notifications, notifications of compliance status, performance evaluation reports, and performance test reports as required in § 63.3400 starting July 9, 2020, or immediately upon startup, whichever is later. Semiannual compliance reports must be submitted electronically for the first full semiannual compliance period after the template has been available in CEDRI for 1 year.
C.8	**Emission Unit ID:** 01, 02 **Equipment ID:** All **Control Device ID:** All § 63.3340 What general requirements must I meet to comply with the standards? (b) For affected sources as of September 19, 2019, before July 9, 2021, 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 July 9, 2021, for such sources and on July 9, 2020, or immediately upon startup, whichever is later, for new or reconstructed affected sources, you must always operate and maintain your 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 which 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 source. (c) You must conduct each performance test required by § 63.3360 according to the requirements in § 63.3360(e)(2) and under the conditions 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, and nonoperation do not constitute representative conditions. You 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 shall make available to the Administrator such records as may be necessary to determine the conditions of performance

C. NESHAP (40 CFR 61 AND 40 CFR 63)

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td></td><td>tests.

(2) Representative emission capture system and add-on control device operating conditions. You must conduct the performance test when the emission capture system and add-on control device are operating at a representative flow rate, and the add-on control device is operating at a representative inlet concentration. Representative conditions exclude periods of startup and shutdown. You may not conduct performance tests during periods of malfunction. You must record information that is necessary to document emission capture system and add-on control device operating conditions during the test and explain why the conditions represent normal operation.

(d) Table 2 to this subpart specifies the provisions of subpart A of this part that apply if you are subject to subpart JJJJ.</td></tr>
<tr><td>C.9</td><td>Emission Unit ID: 01, 02
Equipment ID: All
Control Device ID: All

§ 63.3350 If I use a control device to comply with the emission standards, what monitoring must I do?

(a) A summary of monitoring you must do follows:

<table>
<tr><th>If you operate a web coating line, and have the following:</th><th>Then you must:</th></tr>
<tr><td>(3) Control Device</td><td>Operate continuous parameter monitoring system (§ 63.3350(e)).</td></tr>
<tr><td>(4) Capture system</td><td>Monitor capture system operating parameter (§ 63.3350(f)).</td></tr>
</table>

(b) Following the date on which the initial or periodic performance test of a control device is completed to demonstrate continuing compliance with the standards, you must monitor and inspect each capture system and each control device used to comply with § 63.3320. You must install and operate the monitoring equipment as specified in paragraphs (c) and (f) of this section.

(e) Continuous parameter monitoring system (CPMS). If you are using a control device to comply with the emission standards in § 63.3320, you must install, operate, and maintain each CPMS specified in paragraphs (e)(10) and (11) and (f) of this section according to the requirements in paragraphs (e)(1) through (9) of this section. You must install, operate, and maintain each CPMS specified in paragraph (c) of this section according to paragraphs (e)(5) through (8) of this section.

(1) Each CPMS must complete a minimum of one cycle of operation for each successive 15-minute</td></tr>
</table>

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
	period. You must have a minimum of four equally spaced successive cycles of CPMS operation to have a valid hour of data. (2) You must have valid data from at least 90 percent of the hours when the process operated. (3) You must determine the hourly average of all recorded readings according to paragraphs (e)(3)(i) and (ii) of this section. (i) To calculate a valid hourly value, you must have at least three of four equally spaced data values from that hour from a continuous monitoring system (CMS) that is not out-of-control. (ii) Provided all of the readings recorded in accordance with paragraph (e)(3) of this section clearly demonstrate continuous compliance with the standard that applies to you, then you are not required to determine the hourly average of all recorded readings. (4) You must determine the block 3-hour average of all recorded readings for each operating period. To calculate the average for each 3-hour averaging period, you must have at least two of three of the hourly averages for that period using only average values that are based on valid data (*i.e.,* not from out-of-control periods). (5) Except for temperature sensors, you must develop a quality control program that must contain, at a minimum, a written protocol that describes the procedures for each of the operations in § 63.3350(e)(5)(i) through (vi). The owner or operator shall keep these written procedures on record for the life of the affected source or until the affected source is no longer subject to the provisions of this part, to be made available for inspection, upon request, by the Administrator. If the performance evaluation plan is revised, the owner or operator shall keep previous (*i.e.,* superseded) versions of the performance evaluation plan on record to be made available for inspection, upon request, by the Administrator, for a period of 5 years after each revision to the plan. For temperature sensors, you must follow the requirements in § 63.3350(e)(10). (i) Initial and any subsequent calibration of the continuous monitoring system (CMS); (ii) Determination and adjustment of the calibration drift of the CMS; (iii) Preventative maintenance of the CMS, including spare parts inventory; (iv) Data recording, calculations, and reporting; (v) Accuracy audit procedures, including sampling and analysis methods; and

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
	(vi) Program of corrective action for a malfunctioning CMS. (6) You must record the results of each inspection, calibration, and validation check of the CPMS. (7) At all times, you must maintain the monitoring system in proper working order including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment. (8) 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. 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 § 63.3370. You must use all the valid 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. (9) Any averaging period for which you do not have valid monitoring data and such data are required constitutes a deviation, and you must notify the Administrator in accordance with § 63.3400(c). (10) *Oxidizer.* If you are using an oxidizer to comply with the emission standards of this subpart, you must comply with paragraphs (e)(10)(i) through (vi) of this section. (i) Install, maintain, and operate temperature monitoring equipment according to the manufacturer's specifications. (ii) For an oxidizer other than a catalytic oxidizer, install, operate, and maintain a temperature monitoring device equipped with a continuous recorder. The device must be capable of monitoring temperature with an accuracy of ±1 percent of the temperature being monitored in degrees Fahrenheit or ±1.8 degrees Fahrenheit, whichever is greater. The temperature sensor must be installed in the combustion chamber at a location in the combustion zone. (iv) For temperature sensors, you must develop a quality control program that must contain, at a minimum, a written protocol that describes the procedures for verifying that the temperature sensor is operating properly using at least one of the methods in paragraph (e)(10)(iv)(A), (B), (C), (D), (E), or (F) of this section. The owner or operator shall keep these written procedures on record for the life of the affected source or until the affected source is no longer subject to the provisions of this part, to be made available for inspection, upon request, by the Administrator:

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	(A) Semiannually, compare measured readings to a National Institute of Standards and Technology (NIST) traceable temperature measurement device or simulate a typical operating temperature using a NIST traceable temperature simulation device. When the temperature measurement device method is used, the sensor of the calibrated device must be placed as close as practicable to the process sensor, and both devices must be subjected to the same environmental conditions. The accuracy of the temperature measured must be 2.5 percent of the temperature measured by the NIST traceable device or 5 degrees Fahrenheit whichever is greater. (B) Annually validate the temperature sensor by following applicable mechanical and electrical validation procedures in the manufacturer owner's manual. (C) Annually request the temperature sensor manufacturer to certify or re-certify electromotive force (electrical properties) of the thermocouple. (D) Annually replace the temperature sensor with a new certified temperature sensor in lieu of validation. (E) Permanently install a redundant temperature sensor as close as practicable to the process temperature sensor. The sensors must yield a reading within 2.5 percent of each other for thermal oxidizers and catalytic oxidizers. (F) Permanently install a temperature sensor with dual sensors to account for the possibility of failure. (v) Conduct the validation checks in paragraph (e)(10)(iv)(A), (B), or (C) of this section any time the temperature sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor. (vi) At least quarterly, inspect temperature sensor components for proper connection and integrity or continuously operate an electronic monitoring system designed to notify personnel if the signal from the temperature sensor is interrupted. (11) *Other types of control devices.* If you use a control device other than an oxidizer or wish to monitor an alternative parameter and comply with a different operating limit, you must apply to the Administrator for approval of an alternative monitoring method under § 63.8(f). (f) *Capture system monitoring.* If you are complying with the emission standards in § 63.3320 through the use of a capture system and control device for one or more web coating lines, you must develop a site-specific monitoring plan containing the information specified in paragraphs (f)(1) and (2) of this section for these capture systems. You must monitor the capture system in accordance with

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	paragraph (f)(3) of this section. You must make the monitoring plan available for inspection by the permitting authority upon request. (1) The monitoring plan must: (i) Identify the operating parameter to be monitored to ensure that the capture efficiency determined during the initial compliance test is maintained; and (ii) Explain why this parameter is appropriate for demonstrating ongoing compliance; and (iii) Identify the specific monitoring procedures. (2) The monitoring plan must specify the operating parameter value or range of values that demonstrate compliance with the emission standards in § 63.3320. The specified operating parameter value or range of values must represent the conditions present when the capture system is being properly operated and maintained. (3) You must conduct all capture system monitoring in accordance with the plan. (4) Any deviation from the operating parameter value or range of values which are monitored according to the plan will be considered a deviation from the operating limit. (5) You must review and update the capture system monitoring plan at least annually.
C.10	**Emission Unit ID:** 01, 02 **Equipment ID:** All **Control Device ID:** All § 63.3360 What performance tests must I conduct? (a) The performance test methods you must conduct are as follows:

If you control organic HAP on any individual web coating line or any group of web coating lines to demonstrate compliance with the emission limits in § 63.3320 by:	You must:

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	(2) Using a capture and control system: (i) Initially, conduct a performance test for each capture and control system to determine: The destruction or removal efficiency of each control device other than solvent recovery according to § 63.3360(e), and the capture efficiency of each capture system according to § 63.3360(f). If applicable, determine the mass of volatile matter retained in the coated web or otherwise not emitted to the atmosphere according to § 63.3360(g).
	(2) Using a capture and control system: (ii) Perform a periodic test once every 5 years for each thermal oxidizer to determine the destruction or removal efficiency according to § 63.3360(e). If applicable, determine the mass of volatile matter retained in the coated web or otherwise not emitted to the atmosphere according to § 63.3360(g).

(b) *Control Device.* If you are using a control device to comply with the emission standards in § 63.3320, you are not required to conduct a performance test to demonstrate compliance if one or more of the criteria in paragraphs (b)(1) through (3) of this section are met.

(1) The control device is equipped with continuous emission monitoring systems (CEMS) for determining inlet and outlet total organic volatile matter concentration and meeting the requirements of Performance Specification 6, 8, or 9 in appendix B to 40 CFR part 60 and capture efficiency has been determined in accordance with the requirements of this subpart such that an overall organic HAP control efficiency can be calculated, and the CEMS are used to demonstrate continuous compliance in accordance with § 63.3350; or

(2) You have met the requirements of § 63.7(h) (for waiver of performance testing); or

(3) The control device is a solvent recovery system and you comply by means of a monthly liquid-liquid material balance.

(e) *Control device efficiency.* If you are using an add-on control device other than solvent recovery, such as an oxidizer, to comply with the emission standards in § 63.3320, you must conduct a performance test to establish the destruction or removal efficiency of the control device according to the methods and procedures in paragraphs (e)(1) and (2) of this section. During the performance test, you must establish the operating limits required by § 63.3321 according to paragraph (e)(3) of this section.

(1) *Initial performance test.* An initial performance test to establish the destruction or removal efficiency of the control device used to comply with the emission standards in § 63.3320 must be conducted such that control device inlet and outlet testing is conducted simultaneously, and the data are reduced in accordance with the test methods and procedures in paragraphs (e)(1)(i) through (ix) of this section. You must conduct three test runs as specified in § 63.7(e)(3), and each

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	test run must last at least 1 hour. (i) Method 1 or 1A of appendix A-1 to 40 CFR part 60 must be used for sample and velocity traverses to determine sampling locations. (ii) Method 2, 2A, 2C, 2D, or 2F of appendix A-1 to 40 CFR part 60, or Method 2G of appendix A-2 to 40 CFR part 60 must be used to determine gas volumetric flow rate. (iii) Method 3, 3A, or 3B of appendix A-2 to 40 CFR part 60 must be used 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 Part 10, (incorporated by reference, see § 63.14). (iv) Method 4 of appendix A-3 to 40 CFR part 60 must be used to determine stack gas moisture. (v) Methods for determining the gas volumetric flow rate, dry molecular weight, and stack gas moisture must be performed, as applicable, during each test run. (vi) Method 25 or 25A of appendix A-7 to 40 CFR part 60 must be used to determine total gaseous organic matter concentration. Use the same test method for both the inlet and outlet measurements which must be conducted simultaneously. You must submit notice of the intended test method to the Administrator for approval along with notification of the performance test required under § 63.7(b). You must use method 25A if any of the conditions described in paragraphs (e)(1)(vi)(A) through (D) of this section apply to the control device. (A) The control device is not an oxidizer. (B) The control device is an oxidizer but an exhaust gas volatile organic matter concentration of 50 ppmv or less is required to comply with the emission standards in § 63.3320; or (C) The control device is an oxidizer but the volatile organic matter concentration at the inlet to the control system and the required level of control are such that they result in exhaust gas volatile organic matter concentrations of 50 ppmv or less; or (D) The control device is an oxidizer but because of the high efficiency of the control device the anticipated volatile organic matter concentration at the control device exhaust is 50 ppmv or less, regardless of inlet concentration. (vii) Except as provided in § 63.7(e)(3), each performance test must consist of three separate runs with each run conducted for at least 1 hour under the conditions that exist when the affected source is operating under normal operating conditions. For the purpose of

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	determining volatile organic compound concentrations and mass flow rates, the average of the results of all the runs will apply. (viii) Volatile organic matter mass flow rates must be determined for each run specified in paragraph (e)(1)(vii) of this section using Equation 1: $M_f = Q_{sd} C_c [12][0.0416][10^{-6}]$ Equation 1 Where: M_f = Total organic volatile matter mass flow rate, kilograms (kg)/hour (h). Q_{sd} = Volumetric flow rate of gases entering or exiting the control device, as determined according to paragraph (e)(1)(ii) of this section, dry standard cubic meters (dscm)/h. C_c = Concentration of organic compounds as carbon, ppmv. 12.0 = Molecular weight of carbon. 0.0416 = Conversion factor for molar volume, kg-moles per cubic meter (mol/m^3) (@293 Kelvin (K) and 760 millimeters of mercury (mmHg)). (ix) For each run, emission control device destruction or removal efficiency must be determined using Equation 2: $E = \frac{M_{fi} - M_{fo}}{M_{fi}} \times 100$ Equation 2 Where: E = Organic volatile matter control efficiency of the control device, percent. M_{fi} = Organic volatile matter mass flow rate at the inlet to the control device, kg/h. M_{fo} = Organic volatile matter mass flow rate at the outlet of the control device, kg/h. (x) The control device destruction or removal efficiency is determined as the average of the efficiencies determined in the test runs and calculated in Equation 2.

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	(2) *Process information.* You must record such process information as may be necessary to determine the conditions in existence at the time of the performance test. Representative conditions exclude periods of startup and shutdown. You 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 include in such record an explanation to support that such conditions represent normal operation. Upon request, you shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests. (3) *Operating limits.* If you are using one or more add-on control device other than a solvent recovery system for which you conduct a liquid-liquid material balance to comply with the emission standards in § 63.3320, you must establish the applicable operating limits required by § 63.3321. These operating limits apply to each add-on emission control device, and you must establish the operating limits during the performance test required by paragraph (e) of this section according to the requirements in paragraphs (e)(3)(i) and (ii) of this section. (i) Thermal oxidizer. If your add-on control device is a thermal oxidizer, establish the operating limits according to paragraphs (e)(3)(i)(A) and (B) of this section. (A) During the performance test, you must monitor and record the combustion temperature at least once every 15 minutes during each of the three test runs. You must monitor the temperature in the firebox of the thermal oxidizer or immediately downstream of the firebox before any substantial heat exchange occurs. (B) Use the data collected during the performance test to calculate and record the average combustion temperature maintained during the performance test. Maintain the 3-hour average combustion temperature no more than 50 degrees Fahrenheit lower than this average combustion temperature. (4) *Control Destruction Efficiency Curve Development.* If you are using one or more add-on control devices other than a solvent recovery system for which you conduct a liquid-liquid material balance to comply with the emission standards in § 63.3320, you may establish a control destruction efficiency curve for use in estimating emissions that occur during deviations of the 3-hour operating parameters. This curve can be generated using test data or manufacturer's data that specifically documents the level of control at varying temperatures for your control device. (f) *Capture efficiency.* If you demonstrate compliance by meeting the requirements of § 63.3370(f), (g), (h), (i), (j)(2), (l), (o)(2) or (3), or (q), you must determine capture efficiency using the procedures in paragraph (f)(1), (2), or (3) of this section, as applicable. (1) You may assume your capture efficiency equals 100 percent if your capture system is a

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	permanent total enclosure (PTE). You must confirm that your capture system is a PTE by demonstrating that it meets the requirements of section 6 of EPA Method 204 of 40 CFR part 51, appendix M, and that all exhaust gases from the enclosure are delivered to a control device. (2) You may determine capture efficiency according to the protocols for testing with temporary total enclosures that are specified in Methods 204 and 204A through F of 40 CFR part 51, appendix M. You may exclude never-controlled work stations from such capture efficiency determinations. (3) You may use any capture efficiency protocol and test methods that satisfy the criteria of either the Data Quality Objective or the Lower Confidence Limit approach as described in appendix A of subpart KK of this part. You may exclude never-controlled work stations from such capture efficiency determinations.
C.11	**Emission Unit ID:** 01, 02 **Equipment ID:** All **Control Device ID:** All § 63.3370 How do I demonstrate compliance with the emission standards? You must demonstrate compliance each month with the emission limitations in § 63.3320(b)(1) through (4). For each monthly demonstration, you may apply any combination of the emission limitations to each of your web coating lines individually, to each of one or more groupings of your lines (including a single grouping encompassing all lines of your affected source), or to any combination of individual and grouped lines, so long as each web coating line is included in the compliance demonstration for the month (*i.e.,* you are not required to apply the same emission limitation to each of the individual lines or groups of lines). You may change the emission limitation that you apply each month to your individual or grouped lines, and you may change line groupings for your monthly compliance demonstration. (a) A summary of how you must demonstrate compliance follows:

If you choose to demonstrate compliance by:	Then you must demonstrate that:	To accomplish this:

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(5) Use of a capture system and control device	(i) Overall organic HAP control efficiency is equal to 95 percent at an existing affected source and 98 percent at a new affected source on a monthly basis; or oxidizer outlet organic HAP concentration is no greater than 20 ppmv and capture efficiency is 100 percent; or operating parameters are continuously monitored; or	Follow the procedures set out in § 63.3370(f) to determine compliance with § 63.3320(b)(1) according to § 63.3370(j) if using a solvent recovery device, or § 63.3370(k) if using a control device and CPMS, or § 63.3370(l) if using an oxidizer.

(f) *Capture and control to reduce emissions to no more than allowable limit (§ 63.3320(b)(1)).* Operate a capture system and control device and demonstrate an overall organic HAP control efficiency of at least 95 percent at an existing affected source and at least 98 percent at a new affected source for each month, or operate a capture system and oxidizer so that an outlet organic HAP concentration of no greater than 20 ppmv on a dry basis is achieved as long as the capture efficiency is 100 percent as detailed in § 63.3320(b)(4). Unless one of the cases described in paragraph (f)(1), (2), or (3) of this section applies to the affected source, you must either demonstrate compliance in accordance with the procedure in paragraph (i) of this section when emissions from the affected source are controlled by a solvent recovery device, or the procedure in paragraph (l) of this section when emissions are controlled by an oxidizer or demonstrate compliance for a web coating line by operating each capture system and each control device and continuous parameter monitoring according to the procedures in paragraph (k) of this section.

(1) If the affected source has only always-controlled work stations and operates more than one capture system or more than one control device, you must demonstrate compliance in accordance with the provisions of either paragraph (o) or (q) of this section.

(k) *Capture and control system compliance demonstration procedures using a CPMS.* If you use an add-on control device, you must demonstrate initial compliance for each capture system and each control device through performance tests and demonstrate continuing compliance through continuous monitoring of capture system and control device operating parameters as specified in paragraphs (k)(1) through (3) of this section. Compliance is determined in accordance with paragraph (k)(4) or (k)(5) of this section.

(1) Determine the control device destruction or removal efficiency using the applicable test methods and procedures in § 63.3360(e).

(2) Determine the emission capture efficiency in accordance with § 63.3360(f).

(3) Whenever a web coating line is operated, continuously monitor the operating parameters

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	established according to § 63.3350(e) and (f). (4) *No operating limit deviations.* You are in compliance with the emission standards in § 63.3320(b) if the thermal oxidizer is operated such that the average combustion temperature does not fall more than 50 degrees Fahrenheit below the temperature established in accordance with § 63.3360(e)(3)(i) for each 3-hour period or if the catalytic oxidizer is operating such that the three-hour average temperature difference across the bed does not fall more than 80 percent of the average temperature established in accordance with § 63.3360(e)(3)(ii) and the minimum temperature is always 50 degrees Fahrenheit above the catalyst's ignition temperature, or the catalytic oxidizer average combustion temperature does not fall more than 50 °F below the temperature established in accordance with § 63.3360(e)(3)(ii) for each 3-hour period, and the capture system operating parameter is operated at an average value greater than or less than (as appropriate) the operating parameter value established in accordance with § 63.3350(f); and (i) The overall organic HAP control efficiency is 95 percent or greater at an existing affected source and 98 percent or greater at a new affected source; or (5) *Operating limit deviations.* If one or more operating limit deviations occurred during the monthly averaging period, compliance with the emission standards in § 63.3320(b) is determined by either assuming no control of emissions or by estimating the emissions using a control destruction efficiency curve during each 3-hour period that was a deviation. You are in compliance with the emission standards in § 63.3320(b) if, including the periods of deviations: (i) The overall organic HAP control efficiency is 95 percent or greater at an existing affected source and 98 percent or greater at a new affected source; or (l) *Oxidizer compliance demonstration procedures.* If you use an oxidizer to control emissions to comply with this subpart, you must show compliance by following the procedures in paragraph (l)(1) of this section. Use the applicable equations specified in paragraph (l)(2) of this section to convert the monitoring and other data into units of the selected compliance option in paragraph (f) through (i) of this section. Compliance is determined in accordance with paragraph (l)(3) or (l)(4) of this section. (1) Demonstrate initial compliance through performance tests of capture efficiency and control device efficiency and continuing compliance through continuous monitoring of capture system and control device operating parameters as specified in paragraphs (l)(1)(i) through (vi) of this section: (i) Determine the oxidizer destruction efficiency using the procedure in § 63.3360(e). (ii) Determine the capture system capture efficiency in accordance with § 63.3360(f). (iii) *Capture and control efficiency monitoring.* Whenever a web coating line is operated, continuously

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	monitor the operating parameters established in accordance with § 63.3350(e) and (f) to ensure capture and control efficiency. (2) Convert the information obtained under paragraph (q)(1) of this section into the units of the selected compliance option using the calculation procedures specified in paragraphs (l)(2)(i) through (iv) of this section. (i) *Control efficiency.* Calculate the overall organic HAP control efficiency achieved using Equation 15. (3) *No operating limit deviations.* You are in compliance with the emission standards in § 63.3320(b) if the oxidizer is operated such that the average combustion temperature does not fall more than 50 degrees Fahrenheit below the temperature established in accordance with § 63.3360(e)(3)(i) for each 3-hour period, or the catalytic oxidizer average combustion temperature does not fall more than 50 degrees Fahrenheit below the temperature established in accordance with § 63.3360(e)(3)(ii) for each 3-hour period or the temperature difference across the bed does not fall more than 80 percent of the average temperature established in accordance with § 63.3360(e)(3)(ii) and the minimum temperature is always 50 degrees Fahrenheit above the catalyst's ignition temperature, and the capture system operating parameter is operated at an average value greater than or less than (as appropriate) the operating parameter value established in accordance with § 63.3350(f); and (i) The overall organic HAP control efficiency is 95 percent or greater at an existing affected source and 98 percent or greater at a new affected source; or (4) *Operating limit deviations.* If one or more operating limit deviations occurred during the monthly averaging period, compliance with the emission standards in § 63.3320(b) is determined by assuming no control of emissions or by estimating the emissions using a control destruction efficiency curve during each 3-hour period that was a deviation. You are in compliance with the emission standards in § 63.3320(b) if, including the periods of deviation: (i) The overall organic HAP control efficiency is 95 percent or greater at an existing affected source and 98 percent or greater at a new affected source; or (o) Combinations of capture and control. If you operate more than one capture system, more than one control device, one or more never-controlled work stations, or one or more intermittently-controlled work stations, you must calculate organic HAP emissions according to the procedures in paragraphs (o)(1) through (4) of this section, and use the calculation procedures specified in paragraph (o)(5) of this section to convert the monitoring and other data into units of the selected control option in paragraphs (f) through (i) of this section. Use the procedures specified in paragraph (o)(6) of this section to demonstrate compliance. (3) Oxidizer. To demonstrate compliance through performance tests of capture efficiency and control

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	device efficiency, continuous monitoring of capture system, and CPMS for control device operating parameters for each oxidizer used to control emissions from one or more web coating lines, you must: (i) Monitor the operating parameter in accordance with § 63.3350(e) to ensure control device efficiency; and (ii) For each capture system delivering emissions to that oxidizer, monitor the operating parameter established in accordance with § 63.3350(f) to ensure capture efficiency; and (iii) Determine the organic HAP emissions for those web coating lines served by each capture system delivering emissions to that oxidizer either: (A) In accordance with paragraphs (l)(1)(i) through (vi) of this section, if the web coating lines served by that capture and control system have only always-controlled work stations; or (B) In accordance with paragraphs (l)(1)(i) through (iii), (v), and (p) of this section, if the web coating lines served by that capture and control system have one or more never-controlled or intermittently-controlled work stations. (5) Convert the information obtained under paragraphs (o)(1) through (4) of this section into the units of the selected compliance option using the calculation procedures specified in paragraphs (o)(5)(i) through (iv) of this section. (i) Organic HAP emitted. Calculate the organic HAP emissions for the affected source for the month by summing all organic HAP emissions calculated according to paragraphs (o)(1), (o)(2)(ii), (o)(3)(iii), and (o)(4) of this section. (ii) Coating solids applied. If demonstrating compliance on the basis of organic HAP emission rate based on coating solids applied or emission of less than the calculated allowable organic HAP, the owner or operator must determine the coating solids content of each coating material applied during the month following the procedure in § 63.3360(d). (iii) Organic HAP emission rate based on coating solids applied. Calculate the organic HAP emission rate based on coating solids applied for each month using Equation 13. (iv) Organic HAP based on materials applied. Calculate the organic HAP emission rate based on material applied using Equation 14. (6) Compliance. The affected source is in compliance with the emission standards in § 63.3320(b) for the month if all operating parameters required to be monitored under paragraphs (o)(1) through (3)

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	of this section were maintained at the values established under §§ 63.3350 and 63.3360 and one of the standards in paragraphs (o)(6)(i) through (iv) of this section were met. If operating parameter deviations occurred, the affected source is in compliance with the emission standards in § 63.3320(b) for the month if, assuming no control of emissions or by estimating the emissions using a control destruction efficiency curve for each 3-hour deviation period, one of the standards in paragraphs (6)(i) through (iv) of this section were met. (iv) The total mass of organic HAP emitted by the affected source was not more than 5 percent of the total mass of organic HAP applied for the month at an existing affected source and no more than 2 percent of the total mass of organic HAP applied for the month at a new affected source. The total mass of organic HAP applied by the affected source in the month must be determined using Equation 10. (r) *Mass-balance approach.* As an alternative to § 63.3370(b) through (p), you may demonstrate monthly compliance using a mass-balance approach in accordance with this section, except for any month that you elect to meet the emission limitation in § 63.3320(b)(4). The mass-balance approach should be performed as follows: (1) Separately for each individual/grouping(s) of lines, you must sum the mass of organic HAP emitted during the month and divide by the corresponding total mass of all organic HAP applied on the lines, or total mass of coating materials applied on the lines, or total mass of coating solids applied on the lines, for the same period, in accordance with the emission limitation that you have elected at § 63.3320(b)(1) through (3) for the month's demonstration. You may also choose to use volatile organic content as a surrogate for organic HAP for the compliance demonstration in accordance with § 63.3360(d). You are required to include all emissions and inputs that occur during periods that each line or grouping of lines operates in accordance with the applicability criteria in § 63.3300. (2) You must include all of the organic HAP emitted by your individual/grouping(s) of lines, as follows. (i) You must record the mass of organic HAP or volatile organic content utilized at all work stations of all of your individually/grouping(s) of lines. You must additionally record the mass of all coating materials applied at these work stations if you are demonstrating compliance for the month with the emission limitation at § 63.3320(b)(2) (the “coating materials” option). You must additionally record the mass of all coating solids applied at these work stations if you are demonstrating compliance for the month with the emission limitation at § 63.3320(b)(3) (the “coating solids” option). (iii) For all always-controlled work stations, you must assume that all of the organic HAP or volatile organic content is emitted, less the reductions provided by the corresponding capture system and control device, in accordance with the most recently measured capture and destruction efficiencies, or in accordance with the measured mass of volatile organic compounds (VOC) recovered for the month (*e.g.,* carbon control or condensers). You may account for organic HAP or volatile organic

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	content retained in the coated web or otherwise not emitted if you have determined an emission factor in accordance with § 63.3360(g). (v) You must record the organic HAP or volatile organic content input to all work stations of your individual/grouping(s) of lines and the mass of coating materials and/or solids applied, if applicable, and determine corresponding emissions during all periods of operation, including malfunctions or startups and shutdowns of any web coating line or control device. (3) You are in compliance with the emission standards in § 63.3320(b) if each of your individual/grouping(s) of lines, meets one of the requirements in paragraphs (r)(3)(i) through (iii) of this section, as applicable. If operating parameter limit deviations occurred, including periods that the oxidizer control device(s), if any, operated at an average combustion temperature more than 50 degrees Fahrenheit below the temperature established in accordance with § 63.3360(e), or the 3-hour average temperature difference across the catalyst bed at no less than 80 percent of this average temperature differential and the catalytic oxidizer maintained a minimum temperature 50 degrees Fahrenheit above the catalyst's ignition temperature, you are in compliance with the emission standards in § 63.3320(b) for the month, if assuming no control of emissions for each 3-hour deviation period (or in accordance with an alternate approved method), one of the requirements in paragraphs (r)(3)(i) through (iii) of this section was met. (i) The total mass of organic HAP emitted by the affected source based on HAP applied is no more than 0.05 kg organic HAP per kg HAP applied at an existing affected source and no more than 0.02 kg organic HAP per kg HAP applied at a new affected source; or (ii) The total mass of organic HAP emitted by the affected source based on coating solids applied is no more than 0.20 kg organic HAP per kg coating solids applied at an existing affected source and no more than 0.08 kg organic HAP per kg coating solids applied at a new affected source; or (iii) The total mass of organic HAP emitted by the affected source based on material applied is no more than 0.04 kg organic HAP per kg material applied at an existing affected source and no more than 0.016 kg organic HAP per kg material applied at a new affected source.
C.12	**Emission Unit ID:** 01, 02 **Equipment ID:** All **Control Device ID:** All 63.3400 What notifications and reports must I submit? (a) *Reports.* Each owner or operator of an affected source subject to this subpart must submit the reports specified in paragraphs (b) through (k) of this section to the Administrator.

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	(b) *Initial notifications.* You must submit an initial notification as required by § 63.9(b), using the procedure in § 63.3400(h). (2) Initial notification for new and reconstructed affected sources must be submitted as required by § 63.9(b). (3) For the purpose of this subpart, a title V or part 70 permit application may be used in lieu of the initial notification required under § 63.9(b), provided the same information is contained in the permit application as required by § 63.9(b) and the State to which the permit application has been submitted has an approved operating permit program under part 70 of this chapter and has received delegation of authority from the EPA to implement and enforce this subpart. (4) If you are using a permit application in lieu of an initial notification in accordance with paragraph (b)(3) of this section, the permit application must be submitted by the same due date specified for the initial notification. (c) You must submit a semiannual compliance report according to paragraphs (c)(1) and (2) of this section. (1) Compliance report dates. (i) The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in § 63.3330 and ending on June 30 or December 31, whichever date is the first date following the end of the calendar half immediately following the compliance date that is specified for your affected source in § 63.3330. (ii) The first compliance report is due no later than July 31 or January 31, whichever date follows the end of the calendar half immediately following the compliance date that is specified for your affected source in § 63.3330. Prior to the electronic template being available in CEDRI for one year, the report must be postmarked or delivered by the aforementioned dates. After the electronic template has been available in CEDRI for 1 year, the next full report must be submitted electronically as described in paragraph (h) of this section. (iii) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. (iv) Each subsequent compliance report must be submitted electronically no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
	(v) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and the permitting authority has established dates for submitting semiannual reports pursuant to § 70.6(a)(3)(iii)(A) or § 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (c)(1)(i) through (iv) of this section. (2) *Compliance report contents.* The compliance report must contain the information in paragraphs (c)(2)(i) through (viii) of this section: (i) Company name and address. (ii) Statement by a responsible official with that official's name, title, and signature certifying the accuracy of the content of the report. (iii) Date of report and beginning and ending dates of the reporting period. (iv) If there are no deviations from any emission limitations (emission limit or operating limit) that apply to you, a statement that there were no deviations from the emission limitations during the reporting period, and that no CMS was inoperative, inactive, malfunctioning, out-of-control, repaired, or adjusted. (v) For each deviation from an emission limitation (emission limit or operating limit) that applies to you and that occurs at an affected source where you are not using a CMS to comply with the emission limitations in this subpart, the compliance report must contain the following information: (A) The total operating time of the web coating line(s) during the reporting period. (B) Information on the number, duration, and cause of deviations (including unknown cause), if applicable, and the corrective action taken. (C) An estimate of the quantity of each regulated pollutant emitted over the emission limits in § 63.3320 for each monthly period covered in the report if the source failed to meet an applicable emission limit of this subpart. (vi) For each deviation from an emission limit occurring at an affected source where you are using a CEMS or CPMS to comply with the emission limit in this subpart, you must include the following information: (A) The total operating time of the web coating line(s) during the reporting period.

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	(B) The date and time that each CEMS and CPMS, if applicable, was inoperative except for zero (low-level) and high-level checks. (C) The date and time that each CEMS and CPMS, if applicable, was out-of-control, including the information in § 63.8(c)(8). (D) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period. (E) A summary of the total duration (in hours) of each deviation during the reporting period and the total duration of each deviation as a percent of the total source operating time during that reporting period. (F) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes. (G) A summary of the total duration (in hours) of CEMS and/or CPMS downtime during the reporting period and the total duration of CEMS and/or CPMS downtime as a percent of the total source operating time during that reporting period. (H) A breakdown of the total duration of CEMS and/or CPMS downtime during the reporting period into periods that are due to monitoring equipment malfunctions, non-monitoring equipment malfunctions, quality assurance/quality control calibrations, other known causes, and other unknown causes. (I) The date of the latest CEMS and/or CPMS certification or audit. (J) A description of any changes in CEMS, CPMS, or controls since the last reporting period. (K) An estimate of the quantity of each regulated pollutant emitted over the emission limits in § 63.3320 for each monthly period covered in the report if the source failed to meet an applicable emission limit of this subpart. (d) You must submit a Notification of Performance Tests as specified in §§ 63.7 and 63.9(e) if you are complying with the emission standard using a control device and you are required to conduct a performance test of the control device. This notification and the site-specific test plan required under § 63.7(c)(2) must identify the operating parameters to be monitored to ensure that the capture efficiency of the capture system and the control efficiency of the control device determined during the performance test are maintained. Unless EPA objects to the parameter or requests

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	changes, you may consider the parameter approved. (e) *Notification of Compliance Status.* You must submit a Notification of Compliance Status as specified in § 63.9(h). For affected sources that commence construction or reconstruction after September 19, 2019, the Notification of Compliance Status must be submitted electronically using the procedure in paragraph (h) of this section. For affected sources that commenced construction or reconstruction on or before September 19, 2019, the Notification of Compliance Status must be submitted electronically using the procedure in paragraph (h) starting July 9, 2021. (f) *Performance test reports.* You must submit performance test reports as specified in § 63.10(d)(2) if you are using a control device to comply with the emission standard and you have not obtained a waiver from the performance test requirement or you are not exempted from this requirement by § 63.3360(b). Catalyst activity test results are not required to be submitted but must be maintained onsite. Within 60 days after the date of completing each performance test required by this subpart, you must submit the results of the performance test following the procedures specified in paragraphs (f)(1) through (3) of this section. For affected sources that commence construction or reconstruction after September 19, 2019, the performance test reports must be submitted electronically using the procedure in paragraph (h) of this section. For affected sources that commenced construction or reconstruction on or before September 19, 2019, the performance test reports must be submitted electronically using the procedure in paragraph (h) starting July 9, 2021. (1) *Data collected using test methods supported by EPA's Electronic Reporting Tool (ERT) as listed on EPA's ERT website (https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert) at the time of the test.* Submit the results of the performance test to EPA via CEDRI, which can be accessed through EPA's Central Data Exchange (CDX) (*https://cdx.epa.gov/).* The data must be submitted in a file format generated through the use of EPA's ERT. Alternatively, you may submit an electronic file consistent with the extensible markup language (XML) schema listed on EPA's ERT website. (2) *Data collected using test methods that are not supported by EPA's ERT as listed on EPA's ERT website at the time of the test.* The results of the performance test must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on EPA's ERT website. Submit the ERT generated package or alternative file to EPA via CEDRI. (3) *Confidential business information (CBI).* If you claim some of the information submitted under paragraph (f)(1) of this section is CBI, you must submit a complete file, including information claimed to be CBI, to EPA. The file must be generated through the use of EPA's ERT or an alternate electronic file consistent with the XML schema listed on EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703.

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
	The same file with the CBI omitted must be submitted to EPA via EPA's CDX as described in paragraph (f)(1) of this section. (g) *Performance evaluation reports.* You must submit the results of performance evaluations within 60 days of completing each CMS performance evaluation (as defined in § 63.2) following the procedures specified in paragraphs (g)(1) through (3) of this section. For affected sources that commence construction or reconstruction after September 19, 2019, the performance evaluation reports must be submitted electronically using the procedure in paragraph (h) of this section. For affected sources that commenced construction or reconstruction on or before September 19, 2019, the performance evaluation reports must be submitted electronically using the procedure in paragraph (h) starting July 9, 2021. (1) *Performance evaluations of CMS measuring relative accuracy test audit (RATA) pollutants that are supported by EPA's ERT as listed on EPA's ERT website at the time of the evaluation.* Submit the results of the performance evaluation to EPA via CEDRI, which can be accessed through EPA's CDX. The data must be submitted in a file format generated through the use of EPA's ERT. Alternatively, you may submit an electronic file consistent with the XML schema listed on EPA's ERT website. (2) *Performance evaluations of CMS measuring RATA pollutants that are not supported by EPA's ERT as listed on EPA's ERT website at the time of the evaluation.* The results of the performance evaluation must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on EPA's ERT website. Submit the ERT generated package or alternative file to EPA via CEDRI. (3) *Confidential business information (CBI).* If you claim some of the information submitted under paragraph (g)(1) of this section is CBI, you must submit a complete file, including information claimed to be CBI, to EPA. The file must be generated through the use of EPA's ERT or an alternate electronic file consistent with the XML schema listed on EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium 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 must be submitted to EPA via EPA's CDX as described in paragraph (g)(1) of this section. (h) *Electronic reporting.* If you are required to submit reports following the procedure specified in this paragraph, you must submit reports to EPA via CEDRI, which can be accessed through EPA's CDX (*https://cdx.epa.gov/).* Initial notifications and notifications of compliance status must be submitted as portable document formats (PDF) to CEDRI using the attachment module of the ERT. You must use the semiannual compliance report template on the CEDRI website (*https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri)* for this subpart 1 year after it becomes available. The date report templates become available will be listed on the CEDRI website. The report must be submitted by the deadline

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	specified in this subpart, regardless of the method in which the report is submitted. If you claim some of the information required to be submitted via CEDRI is CBI, submit a complete report, including information claimed to be CBI to EPA. The report must be generated using the appropriate form on the CEDRI website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium 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 must be submitted to EPA via EPA's CDX as described earlier in this paragraph. (i) *Extension for CDX/CEDRI outage.* If you are required to electronically submit a report through CEDRI in EPA's CDX, you may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (i)(1) through (7) of this section. (1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either EPA's CEDRI or CDX systems. (2) The outage must have occurred within the period of time beginning 5 business days prior to the date that the submission is due. (3) The outage may be planned or unplanned. (4) 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 has caused a delay in reporting. (5) You must provide to the Administrator a written description identifying: (i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable; (ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage; (iii) Measures taken or to be taken to minimize the delay in reporting; and (iv) The 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. (6) 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.

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
	(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved. (j) *Extension for force majeure events.* If you are required to electronically submit a report through CEDRI in EPA's CDX, you may assert a claim of force majeure for failure to timely comply with the reporting requirement. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (j)(1) through (5) of this section. (1) You may submit a claim if 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 five business days prior to the date the submission is due. 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). (2) 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 has caused a delay in reporting. (3) You must provide to the Administrator: (i) A written description of the force majeure event; (ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event; (iii) Measures taken or to be taken to minimize the delay in reporting; and (iv) The 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. (4) 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. (5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.
C.13	**Emission Unit ID:** 01, 02 **Equipment ID:** All

C. NESHAP (40 CFR 61 AND 40 CFR 63)	
Condition Number	**Conditions**
	Control Device ID: All § 63.3410 What records must I keep? (a) Each owner or operator of an affected source subject to this subpart must maintain the records specified in paragraphs (a)(1) and (2) of this section on a monthly basis in accordance with the requirements of § 63.10(b)(1): (1) Records specified in § 63.10(b)(2) of all measurements needed to demonstrate compliance with this standard as indicated in Table 2 to subpart JJJJ of part 63, including: (ii) Control device and capture system operating parameter data in accordance with the requirements of § 63.3350(c), (e), and (f); (v) Overall control efficiency determination using capture efficiency and control device destruction or removal efficiency test results in accordance with the requirements of § 63.3360(e) and (f); (2) Records specified in § 63.10(c) for each CMS operated by the owner or operator in accordance with the requirements of § 63.3350(b), as indicated in Table 2 to subpart JJJJ of part 63. (c) For each deviation from an operating limit occurring at an affected source, you must record the following information. (1) The total operating time the web coating line(s) controlled by the corresponding add-on control device and/or emission capture system during the reporting period. (2) Date, time, duration, and cause of the deviations. (3) If the facility determines by its monthly compliance demonstration, in accordance with § 63.3370, as applicable, that the source failed to meet an applicable emission limit of this subpart, you must record the following for the corresponding affected equipment: (i) Record an estimate of the quantity of HAP (or VOC if used a surrogate in accordance with § 63.3360(d)) emitted in excess of the emission limit for the month, and a description of the method used to estimate the emissions. (ii) Record actions taken to minimize emissions in accordance with § 63.3340(a), and any corrective actions taken to return the affected unit to its normal or usual manner of operation. (e) Any records required to be maintained by this part that are submitted electronically via EPA's

C. NESHAP (40 CFR 61 AND 40 CFR 63)

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td></td><td>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.</td></tr>
<tr><td>C.14</td><td>Emission Unit ID: 01, 02
Equipment ID: All
Control Device ID: All

Table 1 to Subpart JJJJ of Part 63—Operating Limits if Using Add-On Control Devices and Capture System

If you are required to comply with operating limits by § 63.3321, you must comply with the applicable operating limits in the following table:

<table>
<tr><th>For the following device:</th><th>You must meet the following operating limit:</th><th>And you must demonstrate continuous compliance with operating limits by:</th></tr>
<tr><td>1. Thermal oxidizer</td><td>a. The average combustion temperature in any 3-hour period must not fall more than 50 °F below the combustion temperature limit established according to § 63.3360(e)(3)(i)</td><td>i. Collecting the combustion temperature data according to § 63.3350(e)(10);
ii. Reducing the data to 3-hour block averages; and
iii. Maintain the 3-hour average combustion temperature at or above the temperature limit.</td></tr>
</table>
</td></tr>
<tr><td>C.15</td><td>Emission Unit ID: 01, 02
Equipment ID: All
Control Device ID: All

Table 2 to Subpart JJJJ of Part 63—Applicability of 40 CFR Part 63 General Provisions to Subpart JJJJ

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

<table>
<tr><th>General provisions reference</th><th>Applicable to subpart JJJJ</th><th>Explanation</th></tr>
<tr><td>§ 63.1(a)(1)-(4)</td><td>Yes</td><td></td></tr>
<tr><td>§ 63.1(a)(5)</td><td>No</td><td>Reserved.</td></tr>
</table>
</td></tr>
</table>

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Condition Number	Conditions		
	§ 63.1(a)(6)-(8)	Yes	
	§ 63.1(a)(9)	No	Reserved.
	§ 63.1(a)(10)-(14)	Yes	
	§ 63.1(b)(1)	No	Subpart JJJJ specifies applicability.
	§ 63.1(b)(2)-(3)	Yes	
	§ 63.1(c)(1)	Yes	
	§ 63.1(c)(2)	No	Area sources are not subject to emission standards of subpart JJJJ.
	§ 63.1(c)(3)	No	Reserved.
	§ 63.1(c)(4)	Yes	
	§ 63.1(c)(5)	Yes	
	§ 63.1(c)(6)	Yes	
	§ 63.1(d)	No	Reserved.
	§ 63.1(e)	Yes	
	§ 63.2	Yes	Additional definitions in subpart JJJJ.
	§ 63.3(a)-(c)	Yes	
	§ 63.4(a)(1)-(3)	Yes	
	§ 63.4(a)(4)	No	Reserved.
	§ 63.4(a)(5)	Yes	
	§ 63.4(b)-(c)	Yes	
	§ 63.5(a)(1)-(2)	Yes	
	§ 63.5(b)(1)	Yes	
	§ 63.5(b)(2)	No	Reserved.
	§ 63.5(b)(3)-(6)	Yes	
	§ 63.5(c)	No	Reserved.
	§ 63.5(d)	Yes	
	§ 63.5(e)	Yes	
	§ 63.5(f)	Yes	
	§ 63.6(a)	Yes	Applies only when capture and control system is used to comply with the standard.
	§ 63.6(b)(1)-(5)	No	§ 63.3330 specifies compliance dates.
	§ 63.6(b)(6)	No	Reserved.
	§ 63.6(b)(7)	Yes	
	§ 63.6(c)(1)-(2)	Yes	
	§ 63.6(c)(3)-(4)	No	Reserved.
	§ 63.6(c)(5)	Yes	
	§ 63.6(d)	No	Reserved.
	§ 63.6(e)(1)(i)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019, see § 63.3340(a) for general duty requirement. Yes, for all other affected

C. NESHAP (40 CFR 61 AND 40 CFR 63)

Condition Number			
			sources before July 9, 2021, and No thereafter, see § 63.3340(a) for general duty requirement.
	§ 63.6(e)(1)(ii)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019. Yes, for all other affected sources before July 9, 2021, and No thereafter.
	§ 63.6(e)(1)(iii)	Yes	
	§ 63.6(e)(2)	No	Reserved.
	§ 63.6(e)(3)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019. Yes, for all other affected sources before July 9, 2021, and No thereafter.
	§ 63.6(f)(1)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019. Yes, for all other affected sources before July 9, 2021, and No thereafter.
	§ 63.6(f)(2)-(3)	Yes	
	§ 63.6(g)	Yes	
	§ 63.6(h)	No	Subpart JJJJ does not require continuous opacity monitoring systems (COMS).
	§ 63.6(i)(1)-(14)	Yes	
	§ 63.6(i)(15)	No	Reserved.
	§ 63.6(i)(16)	Yes	
	§ 63.6(j)	Yes	
	§ 63.7(a)-(d)	Yes	
	§ 63.7(e)(1)	No	See § 63.3360(e)(2).
	§ 63.7(e)(2)-(3)	Yes	
	§ 63.7(f)-(h)	Yes	
	§ 63.8(a)(1)-(2)	Yes	
	§ 63.8(a)(3)	No	Reserved.
	§ 63.8(a)(4)	No	Subpart JJJJ does not have monitoring requirements for flares.
	§ 63.8(b)	Yes	
	§ 63.8(c)(1) and § 63.8(c)(1)(i)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019, see § 63.3340(a) for general duty requirement. Yes, for all other affected sources before July 9, 2021, and No thereafter, see § 63.3340(a) for general duty requirement.
	§ 63.8(c)(1)(ii)	Yes	§ 63.8(c)(1)(ii) only applies if you use capture and control systems.
	§ 63.8(c)(1)(iii)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019. Yes, for all other affected sources before July 9, 2021, and No thereafter.
	§ 63.8(c)(2)-(3)	Yes	See § 63.3350(e)(10)(iv) for temperature sensor validation procedures

C. NESHAP (40 CFR 61 AND 40 CFR 63)

Condition Number	Conditions		
	§ 63.8(c)(4)	No	§ 63.3350 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)	No	Subpart JJJJ does not require COMS.
	§ 63.8(c)(6)-(8)	Yes	Provisions for COMS are not applicable.
	§ 63.8(d)(1)-(2)	Yes	Refer to § 63.3350(e)(5) for CPMS quality control procedures to be included in the quality control program.
	§ 63.8(d)(3)	No	§ 63.3350(e)(5) specifies the program of corrective action.
	§ 63.8(e)-(f)	Yes	§ 63.8(e)(2) does not apply to CPMS. § 63.8(f)(6) only applies if you use CEMS.
	§ 63.8(g)	Yes	Only applies if you use CEMS.
	§ 63.9(a)	Yes	
	§ 63.9(b)(1)	Yes	
	§ 63.9(b)(2)	Yes	Except § 63.3400(b)(1) requires submittal of initial notification for existing affected sources no later than 1 year before compliance date.
	§ 63.9(b)(3)-(5)	Yes	
	§ 63.9(c)-(e)	Yes	
	§ 63.9(f)	No	Subpart JJJJ does not require opacity and visible emissions observations.
	§ 63.9(g)	Yes	Provisions for COMS are not applicable.
	§ 63.9(h)(1)-(3)	Yes	
	§ 63.9(h)(4)	No	Reserved.
	§ 63.9(h)(5)-(6)	Yes	
	§ 63.9(i)	Yes	
	§ 63.9(j)	Yes	
	§ 63.9(k)	Yes	Only as specified in § 63.9(j).
	§ 63.10(a)	Yes	
	§ 63.10(b)(1)	Yes	
	§ 63.10(b)(2)(i)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019. Yes, for all other affected sources before July 9, 2021, and No thereafter.
	§ 63.10(b)(2)(ii)	No	See § 63.3410 for recordkeeping of relevant information.
	§ 63.10(b)(2)(iii)	Yes	§ 63.10(b)(2)(iii) only applies if you use a capture and control system.
	§ 63.10(b)(2)(iv)-(v)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019. Yes, for all other affected sources before July 9, 2021, and No thereafter.
	§ 63.10(b)(2)(vi)-(xiv)	Yes	
	§ 63.10(b)(3)	Yes	

C. NESHAP (40 CFR 61 AND 40 CFR 63)

Condition Number	Conditions		
	§ 63.10(c)(1)	Yes	
	§ 63.10(c)(2)-(4)	No	Reserved.
	§ 63.10(c)(5)-(8)	Yes	
	§ 63.10(c)(9)	No	Reserved.
	§ 63.10(c)(10)-(14)	Yes	
	§ 63.10(c)(15)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019. Yes, for all other affected sources before July 9, 2021, and No thereafter.
	§ 63.10(d)(1)-(2)	Yes	
	§ 63.10(d)(3)	No	Subpart JJJJ does not require opacity and visible emissions observations.
	§ 63.10(d)(4)	Yes	
	§ 63.10(d)(5)(i)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019. Yes, for all other affected sources before July 9, 2021, and No thereafter. See § 63.3400(c) for malfunction reporting requirements.
	§ 63.10(d)(5)(ii)	Depends, see explanation	No, for new or reconstructed sources which commenced construction or reconstruction after September 19, 2019. Yes, for all other affected sources before July 9, 2021, and No thereafter. See § 63.3400(c) for malfunction reporting requirements.
	§ 63.10(e)(1)-(2)	Yes	Provisions for COMS are not applicable.
	§ 63.10(e)(3)-(4)	No	Subpart JJJJ does not require opacity and visible emissions observations.
	§ 63.10(f)	Yes	
	§ 63.11	No	Subpart JJJJ does not specify use of flares for compliance.
	§ 63.12	Yes	
	§ 63.13	Yes	
	§ 63.14	Yes	Subpart JJJJ includes provisions for alternative ASME and ASTM test methods that are incorporated by reference.
	§ 63.15	Yes	
	§ 63.16	Yes	

D. GENERAL FACILITY WIDE	
Condition Number	**Conditions**
D.1	The owner or operator shall comply with S.C. Regulation 61-62.6, Control of Fugitive Particulate Matter, Section III Control of Fugitive Particulate Matter Statewide.
D.2	The permittee shall pay permit fees to the Department in accordance with the requirements of S.C. Regulation 61-30, Environmental Protection Fees.
D.3	In the event of an emergency, as defined in S.C. Regulation 61-62.1, Section II(L), the owner or operator may document an emergency situation through properly signed, contemporaneous operating logs, and other relevant evidence that verify: 1. An emergency occurred, and the owner or operator can identify the cause(s) of the emergency; 2. The permitted source was at the time the emergency occurred being properly operated; 3. During the period of the emergency, the owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and 4. The owner or operator gave a verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by a written report within thirty (30) days. The written report shall include, at a minimum, the information required by S.C. Regulation 61-62.1, Section II(J)(1)(c)(i) through (J)(1)(c)(viii). The written report shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This provision is in addition to any emergency or upset provision contained in any applicable requirement.
D.4	(S.C. Regulation 61-62.1, Section II(O)) Upon presentation of credentials and other documents as may be required by law, the owner or operator shall allow the Department or an authorized representative to perform the following: 1. Enter the facility where emissions-related activity is conducted, or where records must be kept under the conditions of the permit. 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. 3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit. 4. As authorized by the Federal Clean Air Act and/or the S.C. Pollution Control Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
D.5	(S.C. Regulation 61-62.1, Section II(J)(1)(a)) No applicable law, regulation, or standard will be contravened.
D.6	(S.C. Regulation 61-62.1, Section II(J)(1)(e)) Any owner or operator who constructs or operates a source or modification not in accordance with the application submitted pursuant to this regulation or with

D. GENERAL FACILITY WIDE	
Condition Number	**Conditions**
	the terms of any approval to construct, or who commences construction after the effective date of these regulations without applying for and receiving approval hereunder, shall be subject to enforcement action.

E. EMISSIONS INVENTORY REPORTS	
Condition Number	**Conditions**
E.1	All newly permitted and constructed Title V sources and/or Non-attainment Area Sources shall complete and submit an emissions inventory consistent with the schedule approved pursuant to S.C. Regulation 61-62.1, Section III. These Emissions Inventory Reports shall be submitted to the Department. This requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility.

F. GENERAL RECORD KEEPING AND REPORTING	
Condition Number	**Conditions**
F.1	(S.C. Regulation 61-62.1, Section II(J)(1)(g)) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least five (5) years from the date the record was generated and shall be made available to a Department representative upon request.
F.2	The owner or operator shall submit reports required in this permit in a timely manner and according to the reporting schedule established through the Department's approved electronic permitting system.
F.3	All reports and notifications required under this permit shall be submitted to the Department.
F.4	(S.C. Regulation 61-62.1, Section II(A)(3)) The owner or operator shall submit written notification to the Department of the date construction is commenced, postmarked within thirty (30) days after such date.
F.5	(S.C. Regulation 61-62.1, Section II(J)(1)(c)) For sources not required to have continuous emission monitors, any malfunction of air pollution control equipment or system, process upset, or other equipment failure which results in discharges of air contaminants lasting for one (1) hour or more

F. GENERAL RECORD KEEPING AND REPORTING	
Condition Number	**Conditions**
	and which are greater than those discharges described for normal operation in the permit application, shall be reported to the Department within twenty-four (24) hours after the beginning of the occurrence and a written report shall be submitted to the Department within thirty (30) days. The written report shall include, at a minimum, the following: 1. The identity of the stack and/or emission point where the excess emissions occurred; 2. The magnitude of excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the excess emissions; 3. The time and duration of excess emissions; 4. The identity of the equipment causing the excess emissions; 5. The nature and cause of such excess emissions; 6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction; 7. The steps taken to limit the excess emissions; and, 8. Documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated, to the maximum extent practicable, in a manner consistent with good practice for minimizing emissions. The initial twenty-four (24) hour notification should be made to the Department's local Regional Office. The written report should be sent to the Department.

G. PERMIT EXPIRATION AND EXTENSION	
Condition Number	**Conditions**
G.1	(S.C. Regulation 61-62.1, Section II(A)(4) and (5) and S.C. Regulation 61-62.1, Section II(J)(1)(f)) Approval to construct shall become invalid if construction: a. Is not commenced within eighteen (18) months after receipt of such approval; b. Is discontinued for a period of eighteen (18) months or more; or c. Is not completed within a reasonable time as deemed by the Department. The Department may extend the construction permit for an additional eighteen (18) month period upon a satisfactory showing that an extension is justified. This request must be made prior to the permit expiration.

G. PERMIT EXPIRATION AND EXTENSION	
Condition Number	**Conditions**
	This provision does not apply to the time period between construction of the approved phases of a phased construction project; each phase must commence construction within eighteen (18) months of the projected and approved commencement date.

H. PERMIT TO OPERATE	
Condition Number	**Conditions**
H.1	(S.C. Regulation 61-62.1, Section II(F)(3)) When a Department issued construction permit includes engineering and/or construction specifications, the owner or operator or professional engineer in charge of the project shall certify that, to the best of his/her knowledge and belief and as a result of periodic observation during construction, the construction under application has been completed in accordance with the specifications agreed upon in the construction permit issued by the Department. If construction is certified as provided above, the owner or operator may operate the source in compliance with the terms and conditions of the construction permit until the operating permit is issued by the Department. If construction is not built as specified in the permit application and associated construction permit(s), the owner or operator must submit to the Department a complete description of modifications that are at variance with the documentation of the construction permitting determination prior to commencing operation. Construction variances that would trigger additional requirements that have not been addressed prior to start of operation shall be considered construction without a permit.
H.2	(S.C. Regulation 61-62.1, Section II(F)(1)) The owner or operator shall submit written notification to the Department of the actual date of initial startup of each new or altered source, postmarked within fifteen (15) days after such date. Any source that is required to obtain an air quality construction permit issued by the Department must obtain an operating permit when the new or altered source is placed into operation and shall comply with the requirements of this section.
H.3	(S.C. Regulation 61-62.1, Section II(F)(4)(b)) The owner or operator shall submit a written request to the Department for a new or revised operating permit to cover any new or altered source postmarked within fifteen (15) days after the actual date of initial startup of each new or altered source. (S.C. Regulation 61-62.1, Section II(F)(4)(c)) The written request for a new or revised operating permit must include, at a minimum, the following information: i. A list of sources that were placed into operation; and ii. The actual date of initial startup of each new or altered source. If a Title V Operating Permit is not in effect at the time of initial operation of a new or altered source: (S.C. Regulation 61-62.70.5(a)) The owner or operator submitted a timely and complete Part 70 permit application. Within fifteen (15) days of initial operation of a new or altered source, the

H. PERMIT TO OPERATE	
Condition Number	**Conditions**
	owner or operator shall revise their Part 70 permit application to incorporate the new or altered source. If a Title V Operating Permit is in effect at the time of initial operation of a new or altered source: (S.C. Regulation 61-62.1, Section II(F)(4)(a)) For sources covered by an effective Title V Operating Permit, the modification request required by S.C. Regulation 61-62.70 shall serve as the request to operate for the purposes of S.C. Regulation 61-62.1, Section II(F). The request should be made using the appropriate Title V modification form.

I. AMBIENT AIR STANDARDS	
Condition Number	**Conditions**
I.1	Air dispersion modeling (or other method) has previously demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard. Any changes in the parameters used in this demonstration may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded. The owner or operator shall maintain this facility at or below the emission rates used in the most recent air dispersion modeling (or other method) demonstration submitted to and approved by the Department, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates used in the demonstration, not to exceed the pollutant limitations in the body of this permit, it may do so by submitting a new demonstration for approval. This condition along with the referenced modeling demonstration will also serve to meet the intent of S.C. Regulation 61-62.5, Standard No. 8, Section II(D). This is a State Only enforceable requirement.