PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-4228-00056/00477
Effective Date: 07/20/2015 Expiration Date: 07/19/2025

Permit Issued To:SI GROUP INC
PO BOX 1046
SCHENECTADY, NY 12301

Contact: MARGARET M COREY
SI GROUP, INC
1000 MAIN ST
ROTTERDAM JUNCTION, NY 12150
(518) 347-4308

Facility: SI GROUP INC - ROTTERDAM JUNCTION FACILITY
1000 MAIN ST (ST RTE 5S)
ROTTERDAM JUNCTION, NY 12150

Contact: MARGARET M COREY
SI GROUP, INC
1000 MAIN ST
ROTTERDAM JUNCTION, NY 12150
(518) 347-4308

Description:
This permit authorizes the construction and operation of a new Regenerative Thermal Oxidizer (RTO) unit at the Rotterdam Junction Facility. This new unit will replace an existing unit that is no longer functioning.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: ANGELO A MARCUCCIO
NYSDEC - REGION 4
1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

LIST OF CONDITIONS

DEC GENERAL CONDITIONS
General Provisions
Facility Inspection by the Department
Relationship of this Permit to Other Department Orders and Determinations
Applications for permit renewals, modifications and transfers
Permit modifications, suspensions or revocations by the Department
Facility Level
Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS

DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:
The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1130 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:SI GROUP INC
PO BOX 1046
SCHENECTADY, NY 12301

Facility: SI GROUP INC - ROTTERDAM JUNCTION FACILITY
1000 MAIN ST (ST RTE 5S)
ROTTERDAM JUNCTION, NY 12150

Authorized Activity By Standard Industrial Classification Code:
2821 - PLASTICS MATERIALS AND RESINS
2869 - INDUSTRIAL ORGANIC CHEMICALS,NEC

Permit Effective Date: 07/20/2015 Permit Expiration Date: 07/19/2025

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level

1 6 NYCRR 211.1: Air pollution prohibited

Emission Unit Level

EU=0-00006

2 40CFR 63, Subpart A: NESHAP General Provisions
3 40CFR 63.1415(b)(5), Subpart OOO: Compliance Demonstration

EU=0-00006,Proc=012

4 40CFR 63.1400(k), Subpart OOO: Compliance Demonstration
5 40CFR 63.1401, Subpart OOO: Compliance Demonstration
6 40CFR 63.1403(a), Subpart OOO: Compliance Demonstration
7 40CFR 63.1403(c), Subpart OOO: Compliance Demonstration
8 40CFR 63.1406(a)(2)(ii), Subpart OOO: Compliance Demonstration
9 40CFR 63.1406(b), Subpart OOO: Compliance Demonstration
10 40CFR 63.1408(a)(2)(ii), Subpart OOO: Compliance Demonstration
11 40CFR 63.1408(b)(1), Subpart OOO: Compliance Demonstration
12 40CFR 63.1409, Subpart OOO: Compliance Demonstration
13 40CFR 63.1412, Subpart OOO: Compliance Demonstration
14 40CFR 63.1413, Subpart OOO: Compliance Demonstration
15 40CFR 63.1414, Subpart OOO: Summary of test methods
16 40CFR 63.1415(a), Subpart OOO: Compliance Demonstration
17 40CFR 63.1415(b)(5), Subpart OOO: Compliance Demonstration
18 40CFR 63.1415(d), Subpart OOO: Compliance Demonstration
19 40CFR 63.1416, Subpart OOO: Compliance Demonstration
20 40CFR 63.1416(b), Subpart OOO: Compliance Demonstration
21 40CFR 63.1416(c), Subpart OOO: Compliance Demonstration
22 40CFR 63.1416(d), Subpart OOO: Compliance Demonstration
23 40CFR 63.1416(e), Subpart OOO: Compliance Demonstration
24 40CFR 63.1416(f), Subpart OOO: Compliance Demonstration
25 40CFR 63.1416(g), Subpart OOO: Compliance Demonstration
26 40CFR 63.1416(h), Subpart OOO: Compliance Demonstration
27 40CFR 63.1417(e), Subpart OOO: Compliance Demonstration
28 40CFR 63.1417(f), Subpart OOO: Compliance Demonstration
29 40CFR 63.1417(g), Subpart OOO: Compliance Demonstration
30 40CFR 63.1417(h), Subpart OOO: Compliance Demonstration
31 40CFR 63.1417(j), Subpart OOO: Compliance Demonstration
32 40CFR 63.1417(k), Subpart OOO: Compliance Demonstration
33 40CFR 63.1400, Subpart OOO`: Amino-Phenolic Resins

EU=0-00006,Proc=013

34 40CFR 63.982(c), Subpart SS: Closed vent system with nonflare control device
35 40CFR 63.996, Subpart SS: Compliance Demonstration
36 40CFR 63.997, Subpart SS: Compliance Demonstration
37 40CFR 63.998, Subpart SS: Compliance Demonstration
38 40CFR 63.999, Subpart SS: Reporting Requirements

39 40CFR 63.2450(g), Subpart FFFF: Compliance Demonstration
40 40CFR 63.2450(h), Subpart FFFF: Compliance Demonstration
41 40CFR 63.2450(j), Subpart FFFF: Compliance Demonstration
42 40CFR 63.2450(k), Subpart FFFF: Compliance Demonstration
43 40CFR 63.2450(p), Subpart FFFF: Compliance Demonstration
44 40CFR 63.2460(a), Subpart FFFF: Compliance Demonstration
45 40CFR 63.2460(b), Subpart FFFF: Compliance Demonstration
46 40CFR 63.2460(c), Subpart FFFF: Compliance Demonstration
47 40CFR 63.2475, Subpart FFFF: Compliance Demonstration
48 40CFR 63.2490, Subpart FFFF: Compliance Demonstration
49 40CFR 63.2495, Subpart FFFF: Compliance Demonstration
50 40CFR 63.2500, Subpart FFFF: Compliance Demonstration
51 40CFR 63.2505, Subpart FFFF: Compliance Demonstration
52 40CFR 63.2515, Subpart FFFF: Compliance Demonstration
53 40CFR 63.2520, Subpart FFFF: Compliance Demonstration
54 40CFR 63.2525, Subpart FFFF: Compliance Demonstration
55 40CFR 63.2535(a), Subpart FFFF: Compliance Demonstration
56 40CFR 63.2540, Subpart FFFF: General provisions of subpart A

EU=0-00006,Proc=042

57 6 NYCRR 212.3 (a): Emissions from Existing Sources
58 6 NYCRR 212.3 (b): Compliance Demonstration
59 6 NYCRR 212.4 (a): Compliance Demonstration
60 6 NYCRR 212.4 (b): Emissions from new emission sources and/or modifications not specified by Table 2
61 6 NYCRR 212.4 (c): Compliance Demonstration
62 6 NYCRR 212.6 (a): Compliance Demonstration
63 6 NYCRR 212.10 (c) (1): RACT analysis not required for emission points less than 3 lb/hr VOC or NOx
64 6 NYCRR 212.10 (c) (4) (i): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level

65 ECL 19-0301: Contaminant List
66 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
67 6 NYCRR Subpart 201-5: Emission Unit Definition
68 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
69 6 NYCRR 201-5.3 (c): Compliance Demonstration
70 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

71 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
72 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: Maintenance of Equipment - 6 NYCRR 200.7

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications,

required to operate such device effectively.

Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/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 facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item F: **Recycling and Salvage - 6 NYCRR 201-1.7**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: **Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8**

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item H: **Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item I: **Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item J: **Required Emission Tests - 6 NYCRR 202-1.1**

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

Item K: **Open Fires Prohibitions - 6 NYCRR 215.2**
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item L: **Permit Exclusion - ECL 19-0305**
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: **Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: **Air pollution prohibited**

Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 211.1

Item 1.1:
No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

****** Emission Unit Level ******

Condition 2: NESHAP General Provisions
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63, Subpart A

Item 2.1:
This Condition applies to Emission Unit: 0-00006

Item 2.2:
This emission source is subject to the applicable provisions of 40 CFR 63 Subpart A. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 3: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1415(b)(5), Subpart OOO

Item 3.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006

Item 3.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Thermocouples equipped with a continuous recorder to monitor outlet temperature of the RTO shall be installed. The monitoring level (temperature) will be established based on a performance / stack test of the RTO.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: TBD degrees Centigrade (or Celsius)
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 4: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1400(k), Subpart OOO

Item 4.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 4.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(1) The emission limitations set forth in this subpart and the emission limitations referred to in this subpart shall apply at all times except during periods of non-operation of the affected source (or specific portion thereof) resulting in cessation of the emissions to which this subpart applies.

(2) The emission limitations set forth in 40 CFR part 63, subpart UU, as referred to in §63.1410, shall apply at all times except during periods of non-operation of the affected source (or specific portion thereof) in which the lines are drained and depressurized resulting in cessation of the emissions to which §63.1410 applies.

(3) The owner or operator shall not shut down items of equipment that are required or utilized for compliance with this subpart during times when emissions are being routed to such items of equipment if the shutdown would contravene requirements of this subpart applicable to such items of equipment.

(4) General duty. At all times, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air

pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator, 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 5: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1401, Subpart OOO

Item 5.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 5.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) New affected sources that commence construction or reconstruction after December 14, 1998, shall be in compliance with this subpart (except §63.1411(c)) upon initial start-up or January 20, 2000, whichever is later. New affected sources that commenced construction or reconstruction after December 14, 1998, but on or before January 9, 2014, shall be in compliance with the pressure relief device monitoring requirements of §63.1411(c) by October 9, 2017. New affected sources that commence construction or reconstruction after January 9, 2014, shall be in compliance with the pressure relief device monitoring requirements of §63.1411(c) upon initial startup or by October 8, 2014.

(b) Existing affected sources shall be in compliance with this subpart (except §§63.1404, 63.1405, and 63.1411(c)) no later than 3 years after January 20, 2000. Existing affected sources shall be in compliance with the storage vessel requirements of §63.1404, the continuous process vent requirements of §63.1405, and the pressure relief

device monitoring requirements of §63.1411(c) by October 9, 2017.

(c) If an affected source using the exemption provided in §63.1400(f) has an actual annual production of amino/phenolic resins exceeding 800 Mg/yr for any 12-month period, the owner or operator shall comply with the provisions of §63.1410 for the affected source within 3 years. The starting point for the 3-year compliance time period shall be the end of the 12-month period in which actual annual production for amino/phenolic resins exceeds 800 Mg/yr.

(d) Pursuant to section 112(i)(3)(B) of the Clean Air Act, an owner or operator may request an extension allowing the existing affected source up to 1 additional year to comply with section 112(d) standards. For purposes of this subpart, a request for an extension shall be submitted to the permitting authority as part of the operating permit application or to the Administrator as a separate submittal or as part of the Precompliance Report.

(1) Requests for extensions shall be submitted no later than 120 days prior to the compliance dates specified in paragraphs (a) and (b) of this section and shall include the data described in §63.6(i)(6)(i)(A), (B), and (D). The dates specified in §63.6(i) for submittal of requests for extensions shall not apply to this subpart.

(2) An owner or operator may submit a compliance extension request less than 120 days prior to the compliance dates specified in paragraphs (a) and (b) of this section provided that the need for the compliance extension arose after that date, and the need arose due to circumstances beyond reasonable control of the owner or operator. This request shall include, in addition to the information specified in §63.6(i)(6)(i)(A), (B), and (D), a statement of the reasons additional time is needed and the date when the owner or operator first learned of the circumstances necessitating a request for compliance extension.

(e) All terms in this subpart that define a period of time for completion of required tasks (e.g., weekly, monthly, quarterly, annual), unless specified otherwise, refer to the standard calendar periods.

(1) Notwithstanding time periods specified in this subpart for completion of required tasks, such time periods may be changed by mutual agreement between the owner or operator and the Administrator, as specified in subpart A of this part (e.g., a period could begin on the compliance date or another date, rather than on the first day of the standard calendar

period). For each time period that is changed by agreement, the revised period shall remain in effect until it is changed. A new request is not necessary for each recurring period.

(2) Where the period specified for compliance is a standard calendar period, if the initial compliance date occurs after the beginning of the period, compliance shall be required according to the schedule specified in paragraph (e)(2)(i) or (ii) of this section, as appropriate:

(i) Compliance shall be required before the end of the standard calendar period within which the compliance deadline occurs, if there remain at least 3 days for tasks that must be performed weekly, at least 2 weeks for tasks that must be performed monthly, at least 1 month for tasks that must be performed each quarter, or at least 3 months for tasks that must be performed annually; or

(ii) In all other cases, compliance shall be required before the end of the first full standard calendar period after the period within which the initial compliance deadline occurs.

(3) In all instances where a provision of this subpart requires completion of a task during each of multiple successive periods, an owner or operator may perform the required task at any time during the specified period, provided that the task is conducted at a reasonable interval after completion of the task during the previous period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 6: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1403(a), Subpart OOO

Item 6.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 6.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Except as allowed under paragraph (b) of this section, the owner or operator of an affected source shall comply with the provisions of §§63.1404 through 63.1410, as

appropriate. When emissions are vented to a control device or control technology as part of complying with this subpart, emissions shall be vented through a closed vent system meeting the requirements of 40 CFR part 63, subpart SS (national emission standards for closed vent systems, control devices, recovery devices).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 7: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1403(c), Subpart OOO

Item 7.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 7.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

With the exceptions specified in paragraphs (c)(1) and (2) of this section, owners or operators of APPUs that are flexible operations process units shall comply with the provisions of this subpart at all times, regardless of the product being manufactured. Once it has been determined that an emission point requires control during manufacture of amino/phenolic resins, that emission point shall be controlled at all times regardless of the product being manufactured.

(1) When a flexible operations process unit is manufacturing a product in which no organic HAP are used or manufactured, the owner or operator is not required to comply with the provisions of this subpart or with the provisions of subpart A of this part during manufacture of that product. When requested by the Administrator, the owner or operator shall demonstrate that no organic HAP are used or manufactured.

(2) When a flexible operations process unit is manufacturing a product subject to subpart GGG of this part, the owner or operator is not required to comply with the provisions of this subpart during manufacture of that product (i.e., a pharmaceutical).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 8: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1406(a)(2)(ii), Subpart OOO

Item 8.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 8.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The owner/operator of a reactor batch process vent located at an existing affected source shall control organic HAP emissions by reducing organic HAP emissions for the batch cycle by 83 percent by weight using a control device or technology. Initial compliance shall be determined according to the appropriate provisions in §63.1413. Continuous monitoring of the control device shall be performed according to the appropriate provisions in §63.1415. Appropriate records shall be kept according to the provisions in §63.1416 and reports shall be submitted in accordance with the provisions in §63.1417.

Parameter Monitored: TOTAL HAP
Lower Permit Limit: 83 percent reduction by weight
Reference Test Method: see §63.1414(a)(5)
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 9: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1406(b), Subpart OOO

Item 9.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 9.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The owner/operator of a reactor batch process vent shall control organic HAP emissions by venting these emissions to a combustion control device achieving an outlet organic HAP concentration of 20 ppmv or less or to a non-combustion control device achieving an outlet organic HAP concentration of 50 ppmv or less. Initial compliance shall be demonstrated according to the provisions in §63.1413, continuous compliance shall be demonstrated according to the provisions in §63.1415, the appropriate records shall be kept in accordance with the provisions in §63.1416, and reports shall be submitted in accordance with §63.1417.

Parameter Monitored: TOTAL HAP
Upper Permit Limit: 20 parts per million (by volume)
Reference Test Method: see §63.1414(a)(5)
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 10: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1408(a)(2)(ii), Subpart OOO

Item 10.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 10.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The owner/operator of an aggregate batch vent stream at an existing affected source shall reduce organic HAP emissions by 83 percent by weight or to a concentration of 20 ppmv when using a combustion control device or to a concentration of 50 ppmv when using a non-combustion control device, whichever is less stringent, on a continuous basis. The reduction or concentration shall be demonstrated according to the appropriate provisions in §63.1413, monitoring shall be conducted to continuously demonstrate compliance according to the appropriate provisions in §63.1415, the appropriate records shall be kept in accordance with §63.1416, and the appropriate reports shall be submitted according to §63.1417.

Parameter Monitored: TOTAL HAP
Lower Permit Limit: 83 percent reduction by weight
Reference Test Method: see §63.1414(a)(5)
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 11: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1408(b)(1), Subpart OOO

Item 11.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 11.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
As an alternative to complying with the emission standards listed in §63.1408(a), the owner/operator of an

aggregate batch vent stream shall vent all organic HAP emissions from an aggregate batch vent stream to a combustion control device achieving an outlet organic HAP concentration of 20 ppmv or less or to a non-combustion control device achieving an outlet organic HAP concentration of 50 ppmv or less.

The concentration shall be demonstrated according to the appropriate provisions in §63.1413, monitoring shall be conducted to continuously demonstrate compliance according to the appropriate provisions in §63.1415, the appropriate records shall be kept in accordance with §63.1416, and the appropriate reports shall be submitted according to §63.1417.

Parameter Monitored: TOTAL HAP
Upper Permit Limit: 20 parts per million (by volume)
Reference Test Method: see §63.1414(a)(5)
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 12: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1409, Subpart OOO

Item 12.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 12.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(a) Unless one or more of the conditions specified in paragraphs (a)(1) through (6) of this section are met, owners and operators of sources subject to this subpart shall monitor each heat exchange system used to cool process equipment in an affected source, according to the provisions in either paragraph (b) or (c) of this section. Whenever a leak is detected, the owner or operator shall comply with the requirements in paragraph (d) of this section.

(1) The heat exchange system is operated with the minimum pressure on the cooling water side at least 35 kilopascals greater than the maximum pressure on the process side.

(2) There is an intervening cooling fluid, containing less than 5 percent by weight of total HAP listed in column A of Table 2 of this subpart, between the process and the cooling water. This intervening fluid serves to isolate the cooling water from the process fluid, and the intervening fluid is not sent through a cooling tower or discharged. For purposes of this section, discharge does not include emptying for maintenance purposes.

(3) The once-through heat exchange system is subject to a National Pollution Discharge Elimination System (NPDES) permit with an allowable discharge limit of 1 part per million or less above influent concentration or 10 percent or less above influent concentration, whichever is greater.

(4) The once-through heat exchange system is subject to an NPDES permit that:

(i) Requires monitoring of a parameter(s) or condition(s) to detect a leak of process fluids into cooling water;

(ii) Specifies or includes the normal range of the parameter or condition;

(iii) Requires monitoring for the parameters selected as leak indicators no less frequently than monthly for the first 6 months and quarterly thereafter; and

(iv) Requires the owner or operator to report and correct leaks to the cooling water when the parameter or condition exceeds the normal range.

(5) The recirculating heat exchange system is used to cool process fluids that contain less than 5 percent by weight of total HAP listed in column A of Table 2 of this subpart.

(6) The once-through heat exchange system is used to cool process fluids that contain less than 5 percent by weight of total HAP listed in column B of Table 2 of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 13: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1412, Subpart OOO

Item 13.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 13.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(j) The owner or operator shall calculate the TRE index value of the continuous process vent using the equations and procedures in this paragraph, as applicable, and shall maintain records specified in §63.1416(f).

(1) TRE index value equation. The equation for calculating the TRE index value is Equation 3:

TRE = 1 / EHAP * [A + B (Qs) + C (Ht)]

Where:

TRE=TRE index value.

A, B, C=Coefficients presented in table 7 of this subpart.

EHAP=Emission rate of total organic HAP, kilograms per hour, as calculated according to paragraph (h) or (k) of this section.

Qs=Continuous process vent volumetric flow rate, standard cubic meters per minute, at a standard temperature of 20 °C, as calculated according to paragraph (f) or (k) of this section.

Ht=Continuous process vent net heating value, megaJoules per standard cubic meter, as calculated according to paragraph (g) or (k) of this section.

(2) TRE index calculation. The owner or operator of a

continuous process vent shall calculate the TRE index value by using the equation and appropriate coefficients in Table 6 of this subpart. The owner or operator shall calculate the TRE index value for each control device scenario (i.e., flare, thermal incinerator with 0 percent recovery, thermal incinerator with 70 percent recovery). The lowest TRE index value is to be compared to the applicability criteria specified in §63.1405(a).

(k) Engineering assessment. For purposes of TRE index value determinations, engineering assessments may be used to determine continuous process vent flow rate, net heating value, and total organic HAP emission rate for the representative operating condition expected to yield the lowest TRE index value. Engineering assessments shall meet the requirements of paragraphs (k)(1) through (4) of this section.

(1) If the TRE index value calculated using engineering assessment is greater than 4.0, the owner or operator is not required to perform the measurements specified in paragraphs (e) through (h) of this section.

(2) If the TRE index value calculated using engineering assessment is less than or equal to 4.0, the owner or operator is required either to perform the measurements specified in paragraphs (e) through (h) of this section for control applicability assessment or comply with the control requirements specified in §63.1405.

(3) Engineering assessment includes, but is not limited to, the following examples:

(i) Previous test results, provided the tests are representative of current operating practices.

(ii) Bench-scale or pilot-scale test data representative of the process under representative operating conditions.

(iii) Maximum volumetric flow rate, organic HAP emission rate, organic HAP concentration, or net heating value limit specified or implied within a permit limit applicable to the continuous process vent.

(iv) Design analysis based on accepted chemical engineering principles, measurable process parameters, or physical or chemical laws or properties. Examples of analytical methods include, but are not limited to, the following:

(A) Use of material balances based on process stoichiometry to estimate maximum organic HAP concentrations;

(B) Estimation of maximum volumetric flow rate based on physical equipment design such as pump or blower capacities;

(C) Estimation of organic HAP concentrations based on saturation conditions; and

(D) Estimation of maximum expected net heating value based on the stream concentration of each organic compound.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 14: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1413, Subpart OOO

Item 14.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 14.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) General. For each emission point, the owner or operator shall meet three stages of compliance, with exceptions specified in this subpart. First, the owner or operator shall conduct a performance test or design evaluation to demonstrate the performance of the control device or control technology being used. Second, the owner or operator shall meet the requirements for demonstrating initial compliance (e.g., a demonstration that the required percent reduction is achieved). Third, the owner or operator shall meet the requirements for demonstrating continuous compliance through some form of monitoring (e.g., continuous monitoring of operating parameters).

(1) Large control devices and small control devices. A large control device is a control device that controls emission points with total emissions of 10 tons of organic HAP per year or more before control. A small control device is a control device that controls emission points with total emissions less than 10 tons of organic HAP per year before control.

(i) Large control devices. Owners or operators are required to conduct a performance test for a large control device. The establishment of parameter monitoring levels shall be based on data obtained during the required performance test.

(ii) Small control devices. Owners or operators are required to conduct a design evaluation for a small control device. An owner or operator may choose to conduct a performance test for a small control device and such a performance test shall follow the procedures specified in this section, as appropriate. Whenever a small control device becomes a large control device, the owner or operator shall conduct a performance test following the procedures specified in this section, as appropriate. Notification that such a performance test is required, the site-specific test plan, and the results of the performance test shall be provided to the Administrator as specified in §63.1417. Except as provided in §63.1415(a)(2), the parameter monitoring levels for small control devices shall be set based on the design evaluation required by paragraph (a)(3) of this section. Further, when setting the parameter monitoring level(s) based on the design evaluation, the owner or operator shall submit the information specified in §63.1417(d)(7) for review and approval as part of the Precompliance Report.

(2) Performance tests. Performance tests shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance of the affected source for the period being tested and in accordance with the General Provisions at §63.7(a)(1), (a)(3), (d), (e)(2), (e)(4), (g), and (h), with the exceptions specified in paragraph (a)(1) of this section. Representative conditions exclude periods of startup and shutdown unless specified by the Administrator or an applicable subpart. The owner or operator may not conduct performance tests during periods of malfunction. The owner or operator 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, the owner or operator shall make available

to the Administrator such records as may be necessary to determine the conditions of performance tests. Data shall be reduced in accordance with the EPA approved methods specified in this subpart or, if other test methods are used, the data and methods shall be validated according to the protocol in Method 301 of Appendix A of this part.

(ii) Exceptions to performance test requirements in the General Provisions. (A) Performance tests shall be conducted at maximum representative operating conditions achievable during either the 6-month period ending 2 months before the Notification of Compliance Status required by §63.1417(e) is due, or during the 6-month period surrounding the date of the performance test (i.e., the period beginning 3 months prior to the performance test and ending 3 months after the performance test). In achieving maximum representative operating conditions, an owner or operator is not required to cause damage to equipment, make a product that does not meet an existing specification for sale to a customer, or make a product in excess of demand.

(B) When §63.7(g) references the Notification of Compliance Status requirements in §63.9(h), the requirements in §63.1417(e) shall apply for purposes of this subpart.

(C) Performance tests shall be performed no later than 150 days after the compliance dates specified in this subpart (i.e., in time for the results to be included in the Notification of Compliance Status), rather than according to the time periods in §63.7(a)(2).

(3) Design evaluations. To demonstrate the organic HAP removal efficiency for a control device or control technology, a design evaluation shall address the composition and organic HAP concentration of the vent stream(s) entering the control device or control technology, the operating parameters of the control device or control technology, and other conditions or parameters that reflect the performance of the control device or control technology. A design evaluation also shall address other vent stream characteristics and control device operating parameters as specified in any one of paragraphs (a)(3)(i) through (vi) of this section, depending on the type of control device that is used. If the vent stream(s) is not the only inlet to the control device, the efficiency demonstration also shall consider all other vapors, gases, and liquids, other than fuels, received by the control device.

(v) For an enclosed combustion device with a minimum residence time of 0.5 seconds and a minimum temperature of 760 C, the design evaluation shall document that these conditions exist.

(vi) For a combustion control device that does not satisfy the criteria in paragraph (a)(3)(v) of this section, the design evaluation shall address the following characteristics, depending on the type of control device:

(A) For a thermal vapor incinerator, the design evaluation shall consider the autoignition temperature of the organic HAP, shall consider the vent stream flow rate, and shall establish the design minimum and average temperature in the combustion zone and the combustion zone residence time.

(B) For a catalytic vapor incinerator, the design evaluation shall consider the vent stream flow rate and shall establish the design minimum and average temperatures across the catalyst bed inlet and outlet.

(C) For a boiler or process heater, the design evaluation shall consider the vent stream flow rate, shall establish the design minimum and average flame zone temperatures and combustion zone residence time, and shall describe the method and location where the vent stream is introduced into the flame zone.

(4) Establishment of parameter monitoring levels. The owner or operator of a control device that has one or more parameter monitoring level requirements specified under this subpart, or specified under subparts referenced by this subpart, shall establish a maximum or minimum level, as denoted on Table 4 of this subpart, for each measured parameter using the procedures specified in paragraph (a)(4)(i) or (ii) of this section. Except as otherwise provided in this subpart, the owner or operator shall operate control devices such that the daily average, batch cycle daily average, or block average of monitored parameters, established as specified in this paragraph, remains above the minimum level or below the maximum level, as appropriate.

(i) Establishment of parameter monitoring levels based on performance tests—(A) Emission points other than batch process vents. During initial compliance testing, the appropriate parameter shall be continuously monitored

during the required 1-hour test runs. The monitoring level(s) shall then be established as the average of the maximum (or minimum) point values from the three test runs. The average of the maximum values shall be used when establishing a maximum level, and the average of the minimum values shall be used when establishing a minimum level.

(B) Aggregate batch vent streams. For aggregate batch vent streams the monitoring level shall be established in accordance with paragraph (a)(4)(i)(A) of this section.

(C) Batch process vents. The monitoring level(s) shall be established using the procedures specified in paragraphs (a)(4)(i)(C)(1) or (2) of this section. For batch process vents complying with the percent reduction standards specified in §63.1406 or §63.1407, parameter monitoring levels shall be established by the design evaluation, or during the performance test so that the specified percent reduction from §63.1406 or §63.1407, as appropriate, is met.

(1) If more than one batch emission episode or more than one portion of a batch emission episode has been selected to be controlled, a single level for the batch cycle shall be calculated as follows:

(i) During initial compliance testing, the appropriate parameter shall be monitored continuously and recorded once every 15 minutes at all times when batch emission episodes, or portions thereof, selected to be controlled are vented to the control device. A minimum of three recorded values shall be obtained for each batch emission episode, or portion thereof, regardless of the length of time emissions are occurring.

(ii) The average monitored parameter value shall be calculated for each batch emission episode, or portion thereof, in the batch cycle selected to be controlled. The average shall be based on all values measured during the required performance test.

(iii) If the level to be established is a maximum operating parameter, the level shall be defined as the minimum of the average parameter values from each batch emission episode, or portion thereof, in the batch cycle selected to be controlled (i.e., identify the batch emission episode, or portion thereof, which requires the lowest parameter value in order to assure compliance; the average parameter value that is necessary to assure compliance for that batch emission episode, or portion

thereof, shall be the level for all batch emission episodes, or portions thereof, in the batch cycle that are selected to be controlled).

(iv) If the level to be established is a minimum operating parameter, the level shall be defined as the maximum of the average parameter values from each batch emission episode, or portion thereof, in the batch cycle selected to be controlled (i.e., identify the batch emission episode, or portion thereof, which requires the highest parameter value in order to assure compliance; the average parameter value that is necessary to assure compliance for that batch emission episode, or portion thereof, shall be the level for all batch emission episodes, or portions thereof, in the batch cycle that are selected to be controlled).

(v) Alternatively, an average monitored parameter value shall be calculated for the entire batch cycle based on all values recorded during each batch emission episode, or portion thereof, selected to be controlled.

(2) Instead of establishing a single level for the batch cycle, as described in paragraph (a)(4)(i)(C)(1) of this section, an owner or operator may establish separate levels for each batch emission episode, or portion thereof, selected to be controlled. Each level shall be determined as specified in paragraphs (a)(4)(i)(C)(1)(i) through (v) of this section.

(3) The batch cycle shall be defined in the Notification of Compliance Status, as specified in §63.1417(e)(2). Said definition shall include an identification of each batch emission episode. The definition of batch cycle shall also include the information required to determine parameter monitoring compliance for partial batch cycles (i.e., when part of a batch cycle is accomplished during 2 different operating days) for those parameters averaged on a batch cycle daily average basis.

(ii) Establishment of parameter monitoring levels based on performance tests, engineering assessments, and/or manufacturer's recommendations. Parameter monitoring levels may be established based on the parameter values measured during the performance test supplemented by engineering assessments and/or manufacturer's recommendations. Performance testing is not required to be conducted over the entire range of expected parameter values. When setting the parameter monitoring level(s) using the procedures specified in this paragraph, the owner or operator shall submit the information specified in §63.1417(d)(7) for review and approval as part of the

Precompliance Report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 15: Summary of test methods
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1414, Subpart OOO

Item 15.1:
This Condition applies to Emission Unit: 0-00006
Process: 012

Item 15.2:
When required to conduct a performance test, the owner/operator shall use the following test methods unless otherwise specified:

1) Method 1 or 1A, 40CFR60, Appendix A, shall be used for selecting sampling sites
2) Method 2, 2A, 2C, or 2D, 40CFR60, Appendix A, is used for velocity and volumetric flowrates
3) Method 3, 40CFR60, appendix A, is used for gas analysis
4) Method 4, 40CFR60, appendix A, is used for stack gas moisture
5) The following methods shall be used to determine the organic HAP concentration
i) Method 316 or 320, 40CFR60, appendix A, shall be used to determine the concentration of formaldehyde
ii) Method 18, 40CFR60, appendix A, shall be used to determine the concentration of all organic HAP other than formaldehyde
iii) Method 308, 40CFR60, appendix A, may be used as an alternative to Method 18 to determine the concentration of methanol

Condition 16: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1415(a), Subpart OOO

Item 16.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 16.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner or operator of an emission point located at an affected source that uses a control device to comply with the requirements of this subpart and has one or more parameter monitoring level requirement specified under this subpart, shall install the monitoring equipment specified in paragraph (b) of this section in order to demonstrate continued compliance with the provisions of this subpart. All monitoring equipment shall be installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

(1) This monitoring equipment shall be in operation at all times when organic HAP emissions that are required to be controlled as part of complying with the emission limits specified in §§63.1404, 63.1405, 63.1406, 63.1407, and 63.1408 are vented to the control device.

(2) For control devices controlling less than 1 ton per year of uncontrolled organic HAP emissions, monitoring shall consist of a daily verification that the control device is operating properly. If the control device is used to control batch process vents alone or in combination with other emission points, the verification may be on a per batch cycle basis. This verification shall include, but not be limited to, a daily or per batch demonstration that the control device is working as designed. The procedure for this demonstration shall be submitted for review and approval as part of the Precompliance Report, as required by §63.1417(d)(10).

(3) Nothing in this section shall be construed to allow a monitoring parameter excursion caused by an activity that violates other applicable provisions of subpart A, F, or G of this part.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 17: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1415(b)(5), Subpart OOO

Item 17.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006

Process: 012

Item 17.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Where an incinerator is used, a temperature monitoring device equipped with a continuous recorder is required.

(i) Where an incinerator other than a catalytic incinerator is used, the temperature monitoring device shall be installed in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs.

(ii) Where a catalytic incinerator is used, temperature monitoring devices shall be installed in the gas stream immediately before and after the catalyst bed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 18: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1415(d), Subpart OOO

Item 18.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 18.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Monitoring of bypass lines. Owners or operators using a vent system that contains bypass lines that could divert emissions away from a control device or control technology used to comply with the provisions of this subpart shall comply with either paragraph (d)(1) or (2) of this section. Equipment such as low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and pressure relief valves needed for safety purposes are not subject to this paragraph.

(1) Properly install, maintain, and operate a flow indicator that takes a reading at least once every 15 minutes. Records shall be generated as specified in §63.1416(d)(3). The flow indicator shall be installed at the entrance to any bypass line that could divert emissions away from the control device or control technology and to the atmosphere; or

(2) Secure the bypass line damper or valve in the non-diverting position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the damper or valve is maintained in the non-diverting position and emissions are not diverted through the bypass line. Records shall be generated as specified in §63.1416(d)(3).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 19: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1416, Subpart OOO

Item 19.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 19.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Data retention. Unless otherwise specified in this subpart, each owner or operator of an affected source shall keep copies of all applicable records and reports required by this subpart for at least 5 years, as specified in paragraph (a)(1) of this section, with the exception listed in paragraph (a)(2) of this section.

(1) All applicable records shall be maintained in such a manner that they can be readily accessed. The most recent 6 months of records shall be retained on site or shall be accessible from a central location by computer or other means that provides access within 2 hours after a request. The remaining 4 and one-half years of records may be

retained offsite. Records may be maintained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, CD-ROM, optical disc, magnetic tape, or microfiche.

(2) If an owner or operator submits copies of reports to the appropriate EPA Regional Office, the owner or operator is not required to maintain copies of reports. If the EPA Regional Office has waived the requirement of §63.10(a)(4)(ii) for submittal of copies of reports, the owner or operator is not required to maintain copies of those reports.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 20: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1416(b), Subpart OOO

Item 20.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 20.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(b) Malfunction records. Records shall be kept as specified in paragraphs (b)(1) through (3) of this section.

(1) In the event that an affected unit fails to meet an applicable standard, record the number of failures. For each failure record the date, time, and duration of each failure.

(2) For each failure to meet an applicable standard, record and retain a list of the affected sources or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit, and a description of the method used to estimate the emissions.

(3) Record actions taken to minimize emissions in accordance with §63.1420(h)(4), and any corrective actions taken to return the affected unit to its normal or usual

manner of operation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 21: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1416(c), Subpart OOO

Item 21.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 21.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(c) Monitoring records. Owners or operators required to comply with §63.1415 and, therefore, required to keep continuous records shall keep records as specified in paragraphs (c)(1) through (6) of this section.

(1) The owner or operator shall record either each measured data value or average values for 1 hour or shorter periods calculated from all measured data values during each period. If values are measured more frequently than once per minute, a single value for each minute may be used to calculate the hourly (or shorter period) average instead of all measured values. Owners or operators of batch process vents shall record each measured data value; if values are measured more frequently than once per minute, a single value for each minute may be recorded instead of all measured values.

(2) Daily average, batch cycle daily average, or block average values of each continuously monitored parameter shall be calculated for each operating day as specified in paragraphs (c)(2)(i) and (ii) of this section, except as specified in paragraphs (c)(3) and (4) of this section. The option of conducting parameter monitoring for batch process vents on a batch cycle daily average basis or a block average basis is described in paragraph (d)(2) of this section.

(i) The daily average value, batch cycle daily average, or block average shall be calculated as the average of all

parameter values recorded during the operating day, or batch cycle, as appropriate, except as specified in paragraph (c)(4) of this section. For batch process vents, only parameter values recorded during those batch emission episodes, or portions thereof, in the batch cycle that the owner or operator has selected to control in order to comply shall be used to calculate the average. The calculated average shall cover a 24-hour period if operation is continuous, or the number of hours of operation per operating day if operation is not continuous for daily average values or batch cycle daily average values. The calculated average shall cover the entire period of the batch cycle for block average values. As specified in §63.1413(a)(4)(i)(C)(3), the owner or operator shall provide the information needed to calculate batch cycle daily averages for operating days that include partial batch cycles.

(ii) The operating day shall be the period the owner or operator specifies in the operating permit or the Notification of Compliance Status for purposes of determining daily average values or batch cycle daily average values of monitored parameters. The block shall be the entire period of the batch cycle, as specified by the owner or operator in the operating permit or the Notification of Compliance Status for purposes of determining block average values of monitored parameters.

(3) If all recorded values for a monitored parameter during an operating day or block are above the minimum level or below the maximum level established in the Notification of Compliance Status or operating permit, the owner or operator may record that all values were above the minimum level or below the maximum level rather than calculating and recording a daily average, or block average, for that operating day. For these operating days or blocks, the records required in paragraph (c)(1) of this section shall also be retained for 5 years.

(4) Monitoring data recorded during periods identified in paragraphs (c)(4)(i) and (ii) of this section shall not be included in any average computed under this subpart. Records shall be kept of the times and durations of all such periods and any other periods during process or control device or recovery device or control technology operation when monitors are not operating:

(i) Monitoring system breakdowns, repairs, calibration checks, and zero (low-level) and high-level adjustments; and

(ii) Periods of non-operation of the affected source (or portion thereof) resulting in cessation of the emissions to which the monitoring applies.

(5) The owner or operator who has received approval to monitor different parameters, under §63.1417(j) as allowed under §63.1415(e), than those specified for storage vessels, continuous process vents, or batch process vents shall retain for a period of 5 years each record specified in their approved Alternative Monitoring Parameters request.

(6) The owner or operator who has received approval to use alternative continuous monitoring and recordkeeping provisions as specified in §63.1417(k) shall retain for a period of 5 years each record specified in their approved Alternative Continuous Monitoring request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 22: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1416(d), Subpart OOO

Item 22.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 22.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(d) Batch process vent records—(1) Compliance demonstration records. Each owner or operator of a batch process vent complying with §63.1406 or §63.1407 shall keep the following records, as applicable, readily accessible.

(i) If a batch process vent is seeking to demonstrate compliance with the alternative standard specified in §63.1406(b) or §63.1407(b), results of the initial compliance demonstration specified in §63.1413(f).

(ii) If a batch process vent is seeking to demonstrate compliance with the percent reduction requirements of

§63.1406(a)(1)(ii) or §63.1407(a)(2)(ii), records documenting the batch cycle percent reduction or overall percent reduction, as appropriate, as specified in §63.1413(e)(1)(iii).

(iii) When using a flare to comply with §63.1406(a)(1)(i) or §63.1407(a)(2)(i):

(A) The flare design (i.e., steam-assisted, air-assisted or non-assisted);

(B) All visible emission readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the compliance determination required by §63.1413(g); and

(C) Periods when all pilot flames were absent during the compliance determination required by §63.1413(g).

(iv) The following information when using a control device or control technology, other than a flare, to achieve compliance with the percent reduction requirement of §63.1406(a)(1)(ii) or §63.1407(a)(2)(ii):

(A) For an incinerator, non-combustion control device, or other control technology, the percent reduction of organic HAP achieved for emissions vented to the control device or control technology, as determined using the procedures specified in §63.1413(e)(1);

(B) For a boiler or process heater, a description of the location at which the vent stream is introduced into the boiler or process heater; and

(C) For a boiler or process heater with a design heat input capacity of less than 44 megawatts and where the vent stream is not introduced with the primary fuel or used as the primary fuel, the percent reduction of organic HAP achieved for emissions vented to the control device, as determined using the procedures specified in §63.1413(e)(1).

(v) If a batch process vent is seeking to demonstrate compliance with the mass emission limits specified in §63.1406(a)(1)(iii) or (a)(2)(iii) or specified in §63.1407(b)(2), the following information:

(A) Results of the initial compliance demonstration specified in §63.1413(e)(2).

(B) The organic HAP emissions from the batch process vent associated with each single type of batch cycle (Ecyclei)

determined as specified in §63.1413(e)(2).

(C) The site-specific emission limit required by §63.1413(e)(2), as appropriate.

(vi) If an owner or operator designates a condenser sometimes operated as a process condenser as a control device, comply with either paragraph (d)(1)(vi)(A) or (B) of this section.

(A) Retain information, data, analyses to document inprocess recycling of the material recovered when the condenser is operating as a control device.

(B) When requested by the Administrator, demonstrate that material recovered by the condenser operating as a control device is reused in a manner meeting the definition of inprocess recycling.

(2) Establishment of parameter monitoring level records. For each parameter monitored according to §63.1415(b) and Table 3 of this subpart, or for alternate parameters and/or parameters for alternate control devices or control technologies monitored according to §63.1417(j) as allowed under §63.1415(e), maintain documentation showing the establishment of the level that indicates proper operation of the control device or control technology as required by §63.1415(c) for parameters specified in §63.1415(b) and as required by §63.1417(j) for alternate parameters. An owner or operator may choose to monitor operating parameters for batch process vents on a batch cycle daily average basis or on a block average basis. The batch cycle daily average is based on parameter monitoring accomplished during the operating day (i.e., a 24-hour basis). The block average is based on the parameter monitoring accomplished during a single batch cycle. As defined in §63.1402, the block shall be the period of time equal to a single batch cycle. Monitored parameter documentation shall include the following:

(i) Parameter monitoring data used to establish the level.

(ii) Identification that the parameter monitoring level is associated with a batch cycle daily average or a block average.

(iii) A definition of the batch cycle or block, as appropriate.

(3) Controlled batch process vent continuous compliance records. Continuous compliance records shall be kept as

follows:

(i) Each owner or operator of a batch process vent that uses a control device or control technology to comply with the percent reduction requirements of §63.1406(a)(1)(ii) or §63.1407(a)(2)(ii) shall keep the following records, as applicable, readily accessible:

(A) Continuous records of the equipment operating parameters specified to be monitored under §63.1415(b) as applicable, and listed in Table 3 of this subpart, or specified by the Administrator in accordance with §63.1417(f) as allowed under §63.1415(e). Said records shall be kept as specified under paragraph (c) of this section, except as follows:

(1) For carbon adsorbers, the records specified in Table 3 of this subpart shall be maintained in place of continuous records.

(2) For flares, the records specified in Table 4 of this subpart shall be maintained in place of continuous records.

(B) Records of the batch cycle daily average value or block average value of each continuously monitored parameter, as specified in paragraph (c) of this section.

(ii) Each owner or operator of a batch process vent that uses a control device or control technology to comply with §63.1406 or §63.1407 shall keep the following records, as applicable, readily accessible:

(A) Hourly records of whether the flow indicator for bypass lines specified in §63.1415(d) was operating and whether a diversion was detected at any time during the hour. Also, records of the time and duration periods when the vent is diverted from the control device or control technology or the flow indicator specified in §63.1415(d) is not operating.

(B) Where a seal or closure mechanism is used to comply with §63.1415(d), hourly records of whether a diversion was detected at any time are not required. The owner or operator shall record whether the monthly visual inspection of the seals or closure mechanisms has been done and shall record the occurrence of all periods when the seal mechanism is broken, the bypass line damper or valve position has changed, or the key for a lock-and-key type configuration has been checked out, and records of any car-seal that has broken.

(C) Records specifying the times and duration of periods of monitoring system breakdowns, repairs, calibration checks, and zero (low-level) and high-level adjustments. In addition, records specifying any other periods of process or control device operation or control technology operation when monitors are not operating.

(iii) Each owner or operator of a batch process vent seeking to demonstrate compliance with the alternative standard, as specified in §63.1406(b) or §63.1407(b), shall keep the records of continuous emissions monitoring described in §63.1416(c).

(iv) Each owner or operator of a batch process vent seeking to demonstrate compliance with the mass emission limits, specified in §63.1406(a)(1)(iii) or (a)(2)(iii), shall keep the following records, as applicable, readily accessible.

(A) The cumulative average monthly emission rate or the 12-month rolling average monthly emission rate, as appropriate.

(B) If there is a deviation from the mass emission limit, as specified in §63.1413(i), the individual monthly emission rate data points making up the cumulative average monthly emission rate or the 12-month rolling average monthly emission rate, as appropriate.

(C) If it becomes necessary to redetermine (Ecyclei) for a reactor batch process vent, as specified in §63.1413(e)(2), the new value(s) for (Ecyclei).

(D) If an owner or operator is demonstrating compliance using the procedures in §63.1413(e)(2), the monthly value of the site-specific emission limit developed under §63.1413(e)(2).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1416(e), Subpart OOO

Item 23.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006

Process: 012

Item 23.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(e) Aggregate batch vent stream records—(1) Compliance demonstration records. Each owner or operator of an aggregate batch vent stream complying with §63.1408(a)(1) or (2) shall keep the following records, as applicable, readily accessible:

(i) If an aggregate batch vent stream is in compliance with the percent reduction requirements of §63.1408(a)(1)(ii) or (a)(2)(ii), owners or operators shall comply with the recordkeeping requirements for continuous process vents specified in 40 CFR part 63, subpart SS.

(ii) If an aggregate batch vent stream is in compliance with the alternative standard specified in §63.1408(b), results of the initial compliance demonstration specified in §63.1413(f).

(iii) When using a flare to comply with §63.1408(a)(1)(i) or (a)(2)(i):

(A) The flare design (i.e., steam-assisted, air-assisted or non-assisted).

(B) All visible emission readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the compliance determination required by §63.1413(g).

(C) Periods when all pilot flames were absent during the compliance determination required by §63.1413(g).

(iv) If an aggregate batch vent stream is seeking to comply with the mass emission limits specified in §63.1408(b)(2), results of the initial compliance demonstration specified in §63.1413(e)(2). In addition, for each batch process vent, the emissions associated with each single type of batch cycle (Ecyclei), determined as specified in §63.1413(e)(2), shall be recorded.

(2) Establishment of parameter monitoring level records. For each parameter monitored according to §63.1415(b) and Table 3 of this subpart, or for alternate parameters and/or parameters for alternate control devices monitored according to §63.1417(j) as allowed under §63.1415(e),

maintain documentation showing the establishment of the level that indicates proper operation of the control device as required by §63.1415(c) for parameters specified in §63.1415(b) and as required by §63.1417(j) for alternate parameters. Monitored parameter documentation shall include the parameter monitoring data used to establish the level.

(3) Controlled aggregate batch vent streams continuous compliance records. The following continuous compliance records shall be kept, as applicable:

(i) Each owner or operator of an aggregate batch vent stream that uses a control device to comply with the percent reduction requirement of §63.1408(a)(1)(ii) or (a)(2)(ii) shall keep the following records, as applicable, readily accessible:

(A) Continuous records of the equipment operating parameters specified to be monitored under §63.1415(b) as applicable, and listed in Table 3 of this subpart, or specified by the Administrator in accordance with §63.1417(j) as allowed under §63.1415(e). Records shall be kept as specified under paragraph (c) of this section, except as follows:

(1) For carbon adsorbers, the records specified in Table 3 of this subpart shall be maintained in place of continuous records.

(2) For flares, the records specified in Table 3 of this subpart shall be maintained in place of continuous records.

(B) Records of the daily average value of each continuously monitored parameter, as specified in paragraph (c) of this section.

(ii) Each owner or operator of an aggregate batch vent stream that uses a control device to comply with paragraph §63.1408(a)(1) or (2) of this section shall keep the following records, as applicable, readily accessible:

(A) Hourly records of whether the flow indicator for bypass lines specified in §63.1415(d) was operating and whether a diversion was detected at any time during the hour. Also, records of the times and durations of periods when the vent is diverted from the control device or the flow indicator specified in §63.1415(d) is not operating.

(B) Where a seal or closure mechanism is used to comply with §63.1415(d), hourly records of whether a diversion was detected at any time are not required. The owner or operator shall record whether the monthly visual inspection of the seals or closure mechanisms has been done, and shall record the occurrence of all periods when the seal mechanism is broken, the bypass line damper or valve position has changed, or the key for a lock-and-key type configuration has been checked out, and records of any car-seal that has broken.

(C) Records specifying the times and duration of periods of monitoring system breakdowns, repairs, calibration checks, and zero (low-level) and high-level adjustments. In addition, records specifying any other periods of process or control device operation when monitors are not operating.

(iii) Each owner or operator of an aggregate batch vent stream seeking to demonstrate compliance with the alternative standard, as specified in §63.1408(b), shall keep the records of continuous emissions monitoring described in §63.1416(c).

(iv) Each owner or operator of an aggregate batch vent stream seeking to demonstrate compliance with the mass emission limits, specified in §63.1408(b)(2), shall keep the following records, as applicable, readily accessible:

(A) The rolling average monthly emission rate or the 12-month rolling average monthly emission rate, as appropriate.

(B) If there is a deviation from the emission limit, as specified in §63.1413(i)(1), the individual monthly emission rate data points making up the rolling average monthly emission rate or the 12-month rolling average monthly emission rate, as appropriate.

(C) If it becomes necessary to redetermine (Ecyclei) for a reactor batch process vent, as specified in §63.1413(e)(2), the new value(s) for (Ecyclei).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1416(f), Subpart OOO

Item 24.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 24.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(f) Continuous process vent records—(1) TRE index value records. Each owner or operator of a continuous process vent shall maintain records of measurements, engineering assessments, and calculations performed according to the procedures of §63.1412(j) to determine the TRE index value. Documentation of engineering assessments, described in §63.1412(k), shall include all data, assumptions, and procedures used for the engineering assessments.

(2) Volumetric flow rate records. Each owner or operator of a continuous process vent shall record the volumetric flow rate as measured using the sampling site and volumetric flow rate determination procedures (if applicable) specified in §63.1412(b) and (f) or determined through engineering assessment as specified in §63.1412(k).

(3) Organic HAP concentration records. Each owner or operator shall record the organic HAP concentration as measured using the sampling site and organic HAP concentration determination procedures specified in §63.1412(b)and (e), or determined through engineering assessment as specified in §63.1412(k).

(4) Process change records. Each owner or operator of a continuous process vent shall keep up-to-date, readily accessible records of any process changes that change the control applicability for a continuous process vent. Records are to include any recalculation or measurement of the flow rate, organic HAP concentration, and TRE index value.

(5) If a continuous process vent is seeking to demonstrate compliance with the mass emission limit specified in §63.1405(a)(3), keep records specified in paragraphs (f)(5)(i) and (ii) of this section.

(i) The results of the initial compliance demonstration specified in §63.1413(h)(1)(i).

(ii) The monthly organic HAP emissions from the continuous process vent determined as specified in §63.1413(h)(2).

(6) When using a flare to comply with §63.1405(a), keep the records specified in paragraphs (f)(6)(i) through (f)(6)(iii) of this section.

(i) The flare design (i.e., steam-assisted, air-assisted or non-assisted);

(ii) All visible emission readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the compliance determination required by §63.1413(g); and

(iii) Periods when all pilot flames were absent during the compliance determination required by §63.1413(g).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1416(g), Subpart OOO

Item 25.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 25.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(g) Other records or documentation. (1) For continuous monitoring systems used to comply with this subpart, owners or operators shall keep records documenting the completion of calibration checks and records documenting the maintenance of continuous monitoring systems that are specified in the manufacturer's instructions or that are specified in other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

(2) The owner or operator of an affected source granted a waiver under §63.10(f) shall maintain any information demonstrating whether an affected source is meeting the

requirements for a waiver of recordkeeping or reporting requirements.

(3) Owners or operators using the exemption from the equipment leak provisions provided by §63.1400(f) shall comply with either paragraph (g)(3)(i) or (ii) of this section.

(i) The owner or operator shall retain information, data, and analysis used to document the basis for using the exemption provided by §63.1400(f). Such information, data, and analysis shall be retained for the 12-month period preceding December 14, 1998 and for each 12-month period the affected source is in operation and using the exemption provided by §63.1400(f). The beginning of each 12-month period shall be the anniversary of December 14, 1998.

(ii) When requested by the Administrator, the owner or operator shall demonstrate that actual annual production is equal to or less than 800 megagrams per year of amino/phenolic resin for the 12-month period preceding December 14, 1998, and for each 12-month period the affected source has been in operation and using the exemption provided by §63.1400(f). The beginning of each 12-month period shall be the anniversary of December 14, 1998.

(4) The owner or operator of a heat exchange system located at an affected source shall retain the following records:

(i) Monitoring data required by §63.1409 indicating a leak and the date when the leak was detected, and if demonstrated not to be a leak, the basis for that determination.

(ii) Records of any leaks detected by procedures subject to §63.1409(c)(2) and the date the leak was detected.

(iii) The dates of efforts to repair leaks.

(iv) The method or procedure used to confirm repair of a leak and the date repair was confirmed.

(5) For pressure relief devices in organic HAP service, keep records of the information specified in paragraphs (g)(5)(i) through (v) of this section, as applicable.

(i) A list of identification numbers for pressure relief

devices that vent to a fuel gas system, process, drain system, or closed-vent system and control device, under the provisions in §63.1411(d).

(ii) A list of identification numbers for pressure relief devices subject to the provisions in §63.1411(a).

(iii) A list of identification numbers for pressure relief devices equipped with rupture disks, under the provisions in §63.1411(b)(2).

(iv) The dates and results of the monitoring following a pressure release for each pressure relief device subject to the provisions in §63.1411(a) and (b). The results shall include:

(A) The background level measured during each compliance test.

(B) The maximum instrument reading measured at each piece of equipment during each compliance test.

(v) For pressure relief devices in organic HAP service subject to §63.1411(c), keep records of each pressure release to the atmosphere, including the following information:

(A) The source, nature, and cause of the pressure release.

(B) The date, time, and duration of the pressure release.

(C) An estimate of the quantity of total HAP emitted during the pressure release and the calculations used for determining this quantity.

(D) The actions taken to prevent this pressure release.

(E) The measures adopted to prevent future such pressure

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1416(h), Subpart OOO

Item 26.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 26.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(h) Reduced recordkeeping program. For any parameter with respect to any item of equipment, the owner or operator may implement the recordkeeping requirements specified in paragraph (h)(1) or (2) of this section as alternatives to the provisions specified in this subpart for storage vessels, continuous process vents, batch process vents, or aggregate batch vent streams. The owner or operator shall retain for a period of 5 years each record required by paragraph (h)(1) or (2) of this section.

(1) The owner or operator may retain only the daily average, batch cycle daily average, or block average value, and is not required to retain more frequent values, for a parameter with respect to an item of equipment, if the requirements of paragraphs (h)(1)(i) through (vi) of this section are met. An owner or operator electing to comply with the requirements of paragraph (h)(1) of this section shall notify the Administrator in the Notification of Compliance Status Report required under §63.1417(e) or, if the Notification of Compliance Status has already been submitted, in the Periodic Report immediately preceding implementation of the requirements of this paragraph as specified in §63.1417(f)(10).

(i) The monitoring system is capable of detecting unrealistic or impossible data during periods of operation (e.g., a temperature reading of −200 °C on a boiler) and will alert the operator by alarm or other means. The owner or operator shall record the occurrence. All instances of the alarm or other alert in an operating day or block constitute a single occurrence.

(ii) The monitoring system generates, updated at least hourly throughout each operating day, a running average of the parameter values that have been obtained during that operating day or block, and the capability to observe this running average is readily available on-site to the Administrator during the operating day. The owner or operator shall record the occurrence of any period meeting the criteria in paragraphs (h)(1)(ii)(A) and (B) of this section. All instances in an operating day or block

constitute a single occurrence:

(A) The running average is above the maximum or below the minimum established limits; and

(B) The running average is based on at least six 1-hour average values.

(iii) The monitoring system is capable of detecting unchanging data during periods of operation, except in circumstances where the presence of unchanging data is the expected operating condition based on past experience (e.g., pH in some scrubbers) and will alert the operator by alarm or other means. The owner or operator shall record the occurrence. All instances of the alarm or other alert in an operating day or block constitute a single occurrence.

(iv) The monitoring system will alert the owner or operator by an alarm or other means if the running average parameter value calculated under paragraph (h)(1)(ii) of this section reaches a set point that is appropriately related to the established limit for the parameter that is being monitored.

(v) The owner or operator shall verify the proper functioning of the monitoring system, including its ability to comply with the requirements of paragraphs (h)(1)(i) through (iv) of this section, at the times specified in paragraphs (h)(1)(v)(A) through (C). The owner or operator shall document that the required verifications occurred.

(A) Upon initial installation.

(B) Annually after initial installation.

(C) After any change to the programming or equipment constituting the monitoring system which might reasonably be expected to alter the monitoring system's ability to comply with the requirements of this section.

(vi) The owner or operator shall retain the records identified in paragraphs (h)(1)(vi)(A) through (D) of this section.

(A) Identification of each parameter for each item of equipment for which the owner or operator has elected to comply with the requirements of paragraph (h)(1) of this section.

(B) A description of the applicable monitoring system(s)

and how compliance will be achieved with each requirement of paragraphs (h)(1)(i) through (v) of this section. The description shall identify the location and format (e.g., on-line storage, log entries) for each required record. If the description changes, the owner or operator shall retain, as provided in paragraph (a) of this section, except as provided in paragraph (h)(1)(vi)(D) of this section, both the current and the most recent superseded description.

(C) A description and the date of any change to the monitoring system that would reasonably be expected to impair its ability to comply with the requirements of paragraph (h) of this section.

(D) Owners and operators subject to paragraph (h)(1)(vi)(B) of this section shall retain the current description of the monitoring system as long as the description is current. The current description shall, at all times, be retained on-site or be accessible from a central location by computer or other means that provides access within 2 hours after a request. The owner or operator shall retain all superseded descriptions for at least 5 years after the date of their creation. Superseded descriptions shall be retained on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after their creation. Thereafter, superseded descriptions may be stored off-site.

(2) If an owner or operator has elected to implement the requirements of paragraph (h)(1) of this section for a parameter with respect to an item of equipment and a period of 6 consecutive months has passed without any deviation as defined in paragraph (h)(2)(iv) of this section, the owner or operator is no longer required to record the daily average, batch cycle daily average, or block average value for any operating day when the daily average, batch cycle daily average, or block average value is less than the maximum or greater than the minimum established limit. With approval by the Administrator, monitoring data generated prior to the compliance date of this subpart shall be credited toward the period of 6 consecutive months if the parameter limit and the monitoring accomplished during the period prior to the compliance date were required and/or approved by the Administrator.

(i) If the owner or operator elects not to retain the daily average, batch cycle daily average, or block average values, the owner or operator shall notify the Administrator in the next Periodic Report as specified in

§63.1417(f)(11). The notification shall identify the parameter and unit of equipment.

(ii) If, on any operating day or during any block after the owner or operator has ceased recording the daily average, batch cycle daily average, or block average values as provided in paragraph (h)(2) of this section, there is a deviation as defined in paragraph (h)(2)(iv) of this section, the owner or operator shall immediately resume retaining the daily average, batch cycle daily average, or block average value for each operating day and shall notify the Administrator in the next Periodic Report. The owner or operator shall continue to retain each daily average, batch cycle daily average, or block average value until another period of 6 consecutive months has passed without a deviation as defined in paragraph (h)(2)(iv) of this section.

(iii) The owner or operator shall retain the records specified in paragraphs (h)(1)(i) through (iv) of this section for the duration specified in paragraph (h) of this section. For any calendar week, if compliance with paragraphs (h)(1)(i) through (iv) of this section does not result in retention of a record of at least one occurrence or measured parameter value, the owner or operator shall record and retain at least one value during a period of operation.

(iv) For purposes of paragraph (h)(2) of this section, a deviation means that the daily average, batch cycle daily average, or block average value of monitoring data for a parameter is greater than the maximum, or less than the minimum established value.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1417(e), Subpart OOO

Item 27.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 27.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Notification of Compliance Status.

For existing and new affected sources, a Notification of Compliance Status shall be submitted within 150 days after the compliance dates specified in §63.1401. For equipment leaks, the Notification of Compliance Status shall contain the information specified in 40 CFR part 63, subpart UU. For storage vessels, continuous process vents, batch process vents, and aggregate batch vent streams, the Notification of Compliance Status shall contain the information listed in paragraphs (e)(1) through (9) of this section. For pressure relief devices subject to the requirements of §63.1411(c), the owner or operator shall also submit the information listed in paragraph (e)(10) of this section in a supplement to the Notification of Compliance Status within 150 days after the first applicable compliance date for pressure relief device monitoring.

(1) The results of any emission point applicability determinations, performance tests, design evaluations, inspections, continuous monitoring system performance evaluations, any other information used to demonstrate compliance, and any other information, as appropriate, required to be included in the Notification of Compliance Status under 40 CFR part 63, subpart WW and subpart SS, as referred to in §63.1404 for storage vessels; under 40 CFR part 63, subpart SS, as referred to in §63.1405 for continuous process vents; under §63.1416(f)(1) through (3) for continuous process vents; under §63.1416(d)(1) for batch process vents; and under §63.1416(e)(1) for aggregate batch vent streams. In addition, each owner or operator shall comply with paragraphs (e)(1)(i) and (ii) of this section.

(i) For performance tests, applicability determinations, and estimates of organic HAP emissions that are based on measurements, the Notification of Compliance Status shall include one complete test report, as described in paragraph (e)(1)(ii) of this section, for each test method used for a particular kind of emission point. For additional tests performed for the same kind of emission point using the same method, the results and any other required information shall be submitted, but a complete test report is not required.

(ii) A complete test report shall include a brief process description, sampling site description, description of sampling and analysis procedures and any modifications to standard procedures, quality assurance procedures, record

of operating conditions during the test, record of preparation of standards, record of calibrations, raw data sheets for field sampling, raw data sheets for field and laboratory analyses, documentation of calculations, and any other information required by the test method.

(2) For each monitored parameter for which a maximum or minimum level is required to be established, the Notification of Compliance Status shall contain the information specified in paragraphs (e)(2)(i) through (iv) of this section, unless this information has been established and provided in the operating permit.

(i) The required information shall include the specific maximum or minimum level of the monitored parameter(s) for each emission point.

(ii) The required information shall include the rationale for the specific maximum or minimum level for each parameter for each emission point, including any data and calculations used to develop the level and a description of why the level indicates proper operation of the control device or control technology.

(iii) The required information shall include a definition of the affected source's operating day, as specified in §63.1416(c)(2)(ii), for purposes of determining daily average values or batch cycle daily average values of monitored parameters. The required information shall include a definition of the affected source's block(s), as specified in §63.1416(c)(2)(ii), for purposes of determining block average values of monitored parameters.

(iv) For batch process vents, the required information shall include a definition of each batch cycle that requires the control of one or more batch emission episodes during the cycle, as specified in §§63.1413(e)(1)(iii) and 63.1416(c)(2)(ii).

(3) When the determination of applicability for process units, as made following the procedures in §63.1400(g), indicates that a process unit is an APPU, an identification of the APPU and a statement indicating that the APPU is an APPU that produces more than one intended product at the same time, as specified in §63.1400(g)(1), or is a flexible operations process unit as specified in §63.1400(g)(2) through (4).

(4) [Reserved]

(5) The results for each predominant use determination for

storage vessels belonging to an affected source subject to this subpart that is made under §63.1400(h)(6).

(6) Notification that the owner or operator has elected to comply with §63.1416(h), Reduced Recordkeeping Program.

(7) Notification that an affected source is exempt from the equipment leak provisions of §63.1410 according to the provisions of §63.1400(f), and the affected source's actual annual production of amino/phenolic resins for the 12-month period preceding December 14, 1998.

(8) An owner or operator with a combustion device, recovery device, or recapture device affected by the situation described in §63.1400(i)(5) shall identify which rule shall be complied with for monitoring, recordkeeping, and reporting requirements, as allowed under §63.1400(i)(5).

(9) Data or other information used to demonstrate that an owner or operator may use engineering assessment to estimate emissions for a batch emission episode, as specified in §63.1413(d)(6)(iii)(A).

(10) For pressure relief devices in organic HAP service, a description of the device or monitoring system to be implemented, including the pressure relief devices and process parameters to be monitored (if applicable), and a description of the alarms or other methods by which operators will be notified of a pressure release.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 28: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1417(f), Subpart OOO

Item 28.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 28.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Periodic Reports. Except as specified in paragraph (f)(12) of this section, a report containing the information in paragraph (f)(2) of this section or containing the information in paragraphs (f)(3) through (11) and (13) of this section, as appropriate, shall be submitted semiannually no later than 60 days after the end of each 180 day period. In addition, for equipment leaks subject to §63.1410, the owner or operator shall submit the information specified in 40 CFR part 63, subpart UU, and for heat exchange systems subject to §63.1409, the owner or operator shall submit the information specified in §63.1409. Section 63.1415 shall govern the use of monitoring data to determine compliance for emissions points required to apply controls by the provisions of this subpart.

(1) Except as specified in paragraph (f)(12) of this section, a report containing the information in paragraph (f)(2) of this section or containing the information in paragraphs (f)(3) through (11) of this section, as appropriate, shall be submitted semiannually no later than 60 days after the end of each 180 day period. The first report shall be submitted no later than 240 days after the date the Notification of Compliance Status is due and shall cover the 6-month period beginning on the date the Notification of Compliance Status is due. Subsequent reports shall cover each preceding 6-month period.

(2) If none of the compliance exceptions specified in paragraphs (f)(3) through (11) of this section occurred during the 6-month period, the Periodic Report required by paragraph (f)(1) of this section shall be a statement that the affected source was in compliance for the preceding 6-month period and no activities specified in paragraphs (f)(3) through (11) of this section occurred during the preceding 6-month period.

(3) For an owner or operator of an affected source complying with the provisions of §§63.1404 through 63.1409 for any emission point, Periodic Reports shall include:

(i) All information specified in 40 CFR part 63, subpart WW and subpart SS for storage vessels; 40 CFR part 63, subpart SS for continuous process vents required to comply with subpart SS; §63.1416(d)(3)(ii) for batch process vents; and §63.1416(e) for aggregate batch vent stream.

(ii) The daily average values, batch cycle daily average values, or block average values of monitored parameters

for deviations, as specified in §63.1413(i), of operating parameters. In addition, the periods and duration of periods when monitoring data were not collected shall be specified.

(4) Notification if one or more emission point(s) or one or more APPU is added to an affected source. The owner or operator shall submit the following information:

(i) A description of the addition to the affected source;

(ii) Notification of applicability status (i.e., does the emission point require control) of the additional emission point, if appropriate, or notification of all emission points in the added APPU.

(5) If there is a deviation from the mass emission limit specified in §63.1405(a)(3), §63.1406(a)(1)(iii) or (a)(2)(iii), §63.1407(b)(2), or §63.1408(b)(2), the following information, as appropriate, shall be included:

(i) The cumulative average monthly emission rate or the 12-month rolling average monthly emission rate, as appropriate.

(ii) The individual monthly emission rate data points making up the cumulative average monthly emission rate or the 12-month rolling average monthly emission rate, as appropriate.

(iii) If an owner or operator is demonstrating compliance using the procedures in §63.1413(e)(2)(ii), the monthly value of the site-specific emission limit.

(6) If any performance tests are reported in a Periodic Report, the following information shall be included:

(i) One complete test report shall be submitted for each test method used for a particular kind of emission point tested. A complete test report shall contain the information specified in paragraph (e)(1)(ii) of this section.

(ii) For additional tests performed for the same kind of emission point using the same method, results and any other information required shall be submitted, but a complete test report is not required.

(7) The Periodic Report shall include the results for each

change made to a primary product determination for amino/phenolic resins made under §63.1400(g).

(8) The Periodic Report shall include the results for each change made to a predominant use determination for a storage vessel belonging to an affected source subject to this subpart that is made under §63.1400(h)(6).

(9) If an owner or operator invokes the delay of repair provisions for a heat exchange system, the following information shall be submitted, as appropriate. If the leak remains unrepaired, the information shall also be submitted in each subsequent periodic report until repair of the leak is reported.

(i) The presence of the leak and the date that the leak was detected.

(ii) Whether or not the leak has been repaired. If the leak is repaired, the date the leak was successfully repaired. If the leak remains unrepaired, the expected date of repair.

(iii) The reason(s) for delay of repair. If delay of repair is invoked due to the reasons described in §63.1409(e)(2), documentation of emissions estimates shall be included.

(10) Notification that the owner or operator has elected to comply with §63.1416(h), Reduced Recordkeeping Program.

(11) Notification that the owner or operator has elected to not retain the daily average, batch cycle daily average, or block average values, as appropriate, as specified in §63.1416(h)(2)(i).

(12) The owner or operator of an affected source shall submit quarterly reports for particular emission points as specified in paragraphs (f)(12)(i) through (iv) of this section.

(i) The owner or operator of an affected source shall submit quarterly reports for a period of 1 year for an emission point if the Administrator requests the owner or operator to submit quarterly reports for the emission point.

(ii) The quarterly reports shall include all information specified in paragraphs (f)(3) through (11) of this section applicable to the emission point for which quarterly reporting is required under paragraph (f)(12)(i)

of this section. Information applicable to other emission points within the affected source shall be submitted in the semiannual reports required under paragraph (f)(1) of this section.

(iii) Quarterly reports shall be submitted no later than 60 days after the end of each quarter.

(iv) After quarterly reports have been submitted for an emission point for 1 year, the owner or operator may return to semiannual reporting for the emission point unless the Administrator requests the owner or operator to continue to submit quarterly reports.

(13) For pressure relief devices, Periodic Reports must include the information specified in paragraphs (f)(13)(i) through (iii) of this section.

(i) For pressure relief devices in organic HAP service subject to §63.1411, report confirmation that all monitoring to show compliance was conducted within the reporting period.

(ii) For pressure relief devices in organic HAP gas or vapor service subject to §63.1411(b), report any instrument reading of 500 ppm above background or greater, more than 5 days after the relief device returns to organic HAP gas or vapor service after a pressure release.

(iii) For pressure relief devices in organic HAP service subject to §63.1411(c), report each pressure release to the atmosphere, including the following information:

(A) The source, nature, and cause of the pressure release.

(B) The date, time, and duration of the pressure release.

(C) An estimate of the quantity of total HAP emitted during the pressure release and the method used for determining this quantity.

(D) The actions taken to prevent this pressure release.

(E) The measures adopted to prevent future such pressure releases.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1417(g), Subpart OOO

Item 29.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 29.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Reports of Malfunctions. If a source fails to meet an applicable standard, report such events in the Periodic Report. Report the number of failures to meet an applicable standard. For each instance, report the date, time and duration of each failure. For each failure the report must include a list of the affected sources or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit, and a description of the method used to estimate the emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1417(h), Subpart OOO

Item 30.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 30.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Other reports. Other reports shall be submitted as specified in paragraphs (h)(1) through (8) of this section.

(1) For storage vessels, the notifications of inspections required by 40 CFR part 63, subpart WW shall be submitted.

(2) A site-specific test plan shall be submitted no later than 90 days before the planned date for a performance test. Unless the Administrator requests changes to the site-specific test plan within 45 days after its receipt, the site-specific test plan shall be deemed approved. The test plan shall include a description of the planned test and rationale for why the planned performance test will provide adequate and representative results for demonstrating the performance of the control device. If required by §63.1413(e)(1) or §63.1414(d)(5), the test plan shall include an emission profile and rationale for why the selected test period is representative.

(3) The owner or operator shall notify the Administrator of the intention to conduct a performance test at least 30 days before the performance test is scheduled in order to allow the Administrator the opportunity to have an observer present during the test. If after 30 days notice for an initially scheduled performance test, there is delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected source shall notify the Administrator as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator by mutual agreement.

(4) When the conditions of §63.1400(g)(7) or the conditions of §63.1400(g)(8) are met, notification of changes to the primary product for an APPU or process unit shall be submitted. When a notification is made in response to a change in the primary product under §63.1400(g)(7), rationale for why it is anticipated that no amino/phenolic resins will be produced in the process unit in the future shall be included.

(5) Owners or operators of APPU or emission points (other than equipment leak components subject to §63.1410) that are added to the affected source under the provisions of §63.1400(d)(2) or (3) or under the provisions of §63.5(b)(6) shall submit reports as specified in paragraphs (h)(5)(i) through (ii) of this section.

(i) Reports shall include:

(A) A description of the process change or addition, as appropriate;

(B) The planned start-up date and the appropriate compliance date; and

(C) Identification of the emission points (except equipment leak components subject to §63.1410) specified in paragraphs (h)(5)(i)(C)(1) through (3) of this section, as applicable.

(1) All the emission points in an added APPU.

(2) All the emission points in an affected source that becomes a new affected source.

(3) All the added or created emission points resulting from a process change.

(ii) If the owner or operator wishes to request approval to use alternative monitoring parameters, alternative continuous monitoring or recordkeeping, alternative controls, engineering assessment to estimate organic HAP emissions from a batch emissions episode, or wishes to establish parameter monitoring levels according to the procedures contained in §63.1413(a)(1)(ii) or (ii), a Precompliance Report shall be submitted no later than 180 days prior to the appropriate compliance date.

(6) The information specified in paragraphs (h)(6)(i) and (ii) of this section shall be submitted when a small control device becomes a large control device, as specified in §63.1413(a)(1)(ii).

(i) Notification that a small control device has become a large control device and the site-specific test plan shall be submitted within 60 days of the date the small control device becomes a large control device. The site-specific test plan shall include the information specified in paragraph (h)(2) of this section. Approval of the site-specific test plan shall follow paragraph (h)(2) of this section.

(ii) Results of the performance test required by §63.1413(a)(1)(ii) shall be submitted within 150 days of the date the small control device becomes a large control device.

(7) Whenever a continuous process vent becomes subject to control requirements under §63.1405(a), as a result of a

process change, the owner or operator shall submit a report within 60 days after the performance test or applicability assessment, whichever is sooner. The report may be submitted as part of the next Periodic Report required by paragraph (f) of this section.

(i) The report shall include the following information:

(A) A description of the process change;

(B) The results of the recalculation of the organic HAP concentration, volumetric flow rate, and or TRE index value required under §63.1412 and recorded under §63.1416(f).

(C) A statement that the owner or operator will comply with the requirements specified in §63.1405.

(ii) If a performance test is required as a result of a process change, the owner or operator shall specify that the performance test has become necessary due to a process change. This specification shall be made in the performance test notification to the Administrator, as specified in paragraph (h)(3) of this section.

(iii) If a process change does not result in additional applicable requirements, then the owner or operator shall include a statement documenting this in the next Periodic Report required by paragraph (f) of this section.

(8) Electronic reporting. Within 60 days after the date of completing each performance test (as defined in §63.2), the owner or operator must submit the results of the performance tests, including any associated fuel analyses, required by this subpart according to the methods specified in paragraphs (h)(8)(i) or (ii) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1417(j), Subpart OOO

Item 31.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 31.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Alternative monitoring parameters. The owner or operator who has been directed by any section of this subpart or any section of another subpart referenced by this subpart that expressly referenced this paragraph (j) to set unique monitoring parameters, or who requests approval to monitor a different parameter than those specified in §63.1415(b), shall submit the information specified in paragraphs (j)(1) through (3) of this section in the Precompliance Report, as required by paragraph (d) of this section.

(1) The required information shall include a description of the parameter(s) to be monitored to ensure the recovery device, control device, or control technology is operated in conformance with its design and achieves the specified emission limit or percent reduction and an explanation of the criteria used to select the parameter(s).

(2) The required information shall include a description of the methods and procedures that will be used to demonstrate that the parameter indicates proper operation, the schedule for this demonstration, and a statement that the owner or operator will establish a level for the monitored parameter as part of the Notification of Compliance Status report required in paragraph (e) of this section, unless this information has already been included in the operating permit application.

(3) The required information shall include a description of the proposed monitoring, recordkeeping, and reporting system to include the frequency and content of monitoring, recordkeeping, and reporting. Further, the rationale for the proposed monitoring, recordkeeping, and reporting system shall be included if either condition in paragraph (j)(3)(i) or (ii) of this section is met:

(i) If monitoring and recordkeeping is not continuous; or

(ii) If reports of daily average values will not be included in Periodic Reports when the monitored parameter value is above the maximum level or below the minimum level as established in the operating permit or the Notification of Compliance Status.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 32: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1417(k), Subpart OOO

Item 32.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 32.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Alternative continuous monitoring. An owner or operator choosing not to implement the monitoring provisions specified in §63.1415 for storage vessels, continuous process vents, batch process vents, or aggregate batch vent streams may instead request approval to use alternative continuous monitoring provisions according to the procedures specified in paragraphs (k)(1) through (4) of this section. Requests shall be submitted in the Precompliance Report as specified in paragraph (d)(4) of this section if not already included in the operating permit application and shall contain the information specified in paragraphs (k)(2)(i) and (ii) of this section, as applicable.

(1) The provisions in §63.8(f)(5)(i) shall govern the review and approval of requests.

(2) An owner or operator of an affected source that does not have an automated monitoring and recording system capable of measuring parameter values at least once every 15 minutes and that does not generate continuous records may request approval to use a nonautomated system with less frequent monitoring in accordance with paragraphs (k)(2)(i) and (ii) of this section.

(i) The requested system shall include manual reading and recording of the value of the relevant operating parameter no less frequently than once per hour. Daily average (or batch cycle daily average) values shall be calculated from these hourly values and recorded.

(ii) The request shall contain:

(A) A description of the planned monitoring and recordkeeping system;

(B) Documentation that the affected source does not have an automated monitoring and recording system;

(C) Justification for requesting an alternative monitoring and recordkeeping system; and

(D) Demonstration to the Administrator's satisfaction that the proposed monitoring frequency is sufficient to represent control or recovery device operating conditions, considering typical variability of the specific process and control or recovery device operating parameter being monitored.

(3) An owner or operator may request approval to use an automated data compression recording system that does not record monitored operating parameter values at a set frequency (for example, once every 15 minutes) but records all values that meet set criteria for variation from previously recorded values, in accordance with paragraphs (k)(3)(i) and (ii) of this section.

(i) The requested system shall be designed to:

(A) Measure the operating parameter value at least once every 15 minutes;

(B) Except for the monitoring of batch process vents, calculate hourly average values each hour during periods of operation;

(C) Record the date and time when monitors are turned off or on;

(D) Recognize unchanging data that may indicate the monitor is not functioning properly, alert the operator, and record the incident;

(E) Calculate daily average, batch cycle daily average, or block average values of the monitored operating parameter based on all measured data; and

(F) If the daily average is not a deviation, as defined in §63.1413(i), from the operating parameter, the data for that operating day may be converted to hourly average values, and the four or more individual records for each hour in the operating day may be discarded.

(ii) The request shall contain:

(A) A description of the monitoring system and data compression recording system, including the criteria used to determine which monitored values are recorded and retained;

(B) The method for calculating daily averages and batch cycle daily averages; and

(C) A demonstration that the system meets all criteria in paragraph (k)(3)(i) of this section.

(4) An owner or operator may request approval to use other alternative monitoring systems according to the procedures specified in §63.8(f)(4).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Amino-Phenolic Resins
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.1400, Subpart OOO`

Item 33.1:
This Condition applies to Emission Unit: 0-00006
Process: 012

Item 33.2:
This emission source is subject to the applicable provisions of 40 CFR 63 Subpart OOO. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 34: Closed vent system with nonflare control device
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.982(c), Subpart SS

Item 34.1:
This Condition applies to Emission Unit: 0-00006
Process: 013

Item 34.2:
The facility shall meet the requirements in §63.983 for closed vent systems, the applicable recordkeeping and reporting requirements in §§63.998 and 63.999, and the following:

1) For storage vessels and low throughput transfer racks, the facility shall meet the requirements in §63.985 for nonflare control devices and the monitoring, recordkeeping, and reporting requirements referenced therein. No other provisions of subpart SS apply to low throughput transfer rack emissions or storage vessel emissions vented through a closed vent system to a nonflare control device unless specifically required in the monitoring plan submitted under §63.985(c).

Condition 35: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.996, Subpart SS

Item 35.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 35.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

All monitoring equipment shall be installed, maintained, calibrated, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

The owner/operator of a regulated source shall maintain and operate each continuous parameter monitoring system (CPMS) as specified in any applicable subpart and in a manner consistent with good air pollution control practices. Routine or predictable malfunctions shall be repaired immediately and all necessary parts for routine repairs shall be readily available. All actions taken when the startup, shutdown, and malfunction plan are followed and the CPMS is repaired immediately shall be recorded as required in §63.998(c)(1)(ii)(E).

All CPMS's shall be installed and operational, and the data verified as specified in Subpart SS either prior to or in conjunction with conducting performance tests. Verification of operational status shall, at a minimum, include completion of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor

accurately.

All CPMS's shall be installed such that representative measurements of parameters from the regulated source are obtained. CPMS's shall also be operated continuously at all times except during system breakdowns, maintenance periods, instrument adjustments, or checks to maintain precision and accuracy, calibration checks, and zero and span adjustments.

For each CPMS, the owner/operator must complete a minimum of one cycle of operation for each successive 15-minute period, calculate a valid hourly average (there must be at least four equally spaced values for that hour, excluding data collected during breakdowns, maintenance periods, etc.), and calculate a daily average using all of the valid hourly averages for each day.

For each temperature monitoring device, the owner/operator shall meet the requirements listed in §63.996(c)(8)(i) through (viii), as applicable.

For each pressure monitoring device, the owner/operator shall meet the requirements listed in §63.996(c)(9)(i) through (vii), as applicable.

For each pH monitoring device, the owner/operator shall meet the requirements listed in §63.996(c)(10)(i) through (iv), as applicable.

The owner/operator shall establish a range for monitored parameters that indicates proper operation of the control or recovery device. The information required in §63.999(b)(3) shall be submitted with the Notification of Compliance Status report or in the operating permit application or amendment. The range may be based on a prior performance test meeting the specifications of §63.997(b)(1) or a prior TRE index value determination, as applicable, or upon existing ranges or limits established under a referencing subpart.

Flares that are subject to §63.987(c) and flow indicators are not subject to this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.997, Subpart SS

Item 36.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 36.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Unless a waiver of performance testing is obtained under §63.997 or the referencing subpart, the owner/operator shall perform such tests as specified in §63.997(c)(1)(i) through (vii). This gives the owner/operator 180 days after the compliance date in a referencing subpart for an existing source or 180 days after startup for a new source.

Where a performance test is required in Subpart SS, the owner/operator shall comply with the following requirements, as applicable:
- For continuous unit operations, performance tests shall be conducted at maximum representative operating conditions for the process unless otherwise specified or approved by the NYSDEC
- For a combination of both continuous and batch unit operations, performance tests shall be conducted at maximum representative operating conditions. For the purpose of conducting a performance test on a combined vent stream, maximum representative operating conditions shall be when batch emissions episodes are occurring that result in the highest organic HAP emission rate for the combined vent stream that is achievable during the 6-month period that begins 3 months before and ends 3 months after the compliance assessment without causing damage to the equipment, necessitating that the owner/operator make product that does not meet an existing specification for sale to a customer, or necessitating that the owner/operator make product in excess of demand.
- The following procedures shall be conducted:
1) Method 1 or 1A of 40CFR60, appendix A, as appropriate, shall be used for selection of sampling sites,
2) Method 2, 2A, 2C, 2D, 2F, or 2G of 40CFR60, appendix A,

as appropriate, shall be used to determine the gas volumetric flowrate,
3) Method 18 of 40CFR60, appendix A, shall be used to measure either TOC minus methane and ethane or total organic regulated material, as applicable. Alternatively, any other method or data that have been validated according to the applicable procedures in Method 301 of appendix A of 40CFR63 may be used. Method 25A of 40CFR60, appendix A may be used for transfer racks as detailed in §63.997(e)(2)(iii)(D).
4) The procedures specified in §63.997(e)(2)(iv)(A)-(E) shall be used in addition to Method 18 of 40CFR^), appendix A, to determine the percent reduction efficiency.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 37: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.998, Subpart SS

Item 37.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 37.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Flare Compliance Assessment Records: When using a flare to comply with the requirements of Subpart SS, the owner/operator shall keep records of the flare design, all visible emission readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the flare compliance assessment, all periods during the flare compliance assessment when all pilot flames are absent or, if only the flare flame is monitored, all periods when the flare flame is absent.

Flare Compliance Monitoring Records: The owner/operator shall keep up to date and readily accessible hourly records of whether the monitor is continuously operating

and whether the flare flame or at least one pilot flame is continuously present. For transfer racks, hourly records are required only while the transfer rack vent stream is being vented.

Flare Compliance Records: The owner/operator shall keep records of the times and duration of all periods during which the flare flame or all the pilot flames are absent. This record shall be submitted in the periodic reports required in §63.999(c)(8). Records of the times and durations which the monitor is not operating shall also be kept.

Nonflare Control Device Performance Test Records: Upon request, the owner/operator shall make available such records as may be necessary to determine the conditions of performance tests performed pursuant to §§63.988(b), 63.990(b), 63.994(b), or 63.995(b).

Nonflare Control Device and Halogen Reduction Device Performance Test Records: The owner/operator shall keep up-to-date, readily accessible continuous records of the data specified in §63.998(a)(2)(ii)(B)-(D), as applicable, measured during each performance test performed pursuant to §§63.988(b), 63.990(b), 63.994(b), or 63.995(b). The data in the Notification of Compliance Status shall also be included as required in §63.999(b).

Halogen Concentration Records: The owner/operator shall record the halogen concentration in the vent stream determined according to the procedures specified in a referencing subpart. This record shall be submitted in the Notification of Compliance Status, as specified in §63.999(b)(4).

Continuous records shall be kept as provided in §63.998(b)(1). Monitoring data recorded during monitoring system breakdowns, repairs, preventive maintenance, non-operation of the process unit, and startups/shutdowns/malfunctions shall not be included in any average computed to determine compliance with an emission limit in a referencing subpart. Daily averages shall also be recorded as required in §63.998(b)(3).

Nonflare control and recovery device regulated source monitoring records: For process vents and high throughput transfer racks, the owner/operator shall keep the records specified in §63.998(c)(1). If a combustion control or halogen reduction device is used to comply with this subpart, the following records shall be kept up-to-date and readily accessible - continuous records of the

equipment operating parameters specified to be monitored in §63.988(c), 63.994(c), and 63.995(c), the daily average value of each continuously monitored parameter for each operating day, and periods of operation during which the parameter boundaries are exceeded.

Monitoring Records for Recovery Devices, Absorbers, Condensers, Carbon Adsorbers, or Other Noncombustion Systems Used As Control Devices: If a recovery device is used to achieve and maintain a TRE index value greater than the control applicability level specified in the referencing subpart but less than 4.0, or if a recovery device, absorber, condenser, carbon adsorber, or other non-combustion system is used as a control device, readily accessible, up-to-date records shall be kept of the equipment operating parameters specified to be monitored under §§63.990(c), §63.993(c), or §63.995(c), daily averages of each continuously monitored parameter and periods of when the parameters boundaries were exceeded shall also be kept.

Closed Vent System Records: The owner/operator shall keep records of the identification of all parts of the closed vent system that are designated as unsafe- or difficult-to-monitor, an explanation of why the equipment is unsafe or difficult to inspect, the plan for inspecting the equipment required by §63.983(b)(2)(ii) or (iii), if there are bypass lines that could divert emissions from the control device, hourly records of whether the flow indicator specified under §63.983(a)(3)(i) was operating and whether a diversion was detected at any time during the hour, records of the times of all periods when the vent stream is diverted from the control device or the flow indicator is not operating. When a leak is detected as specified in §63.983(d)(2), the information specified in §63.998(d)(1)(iii)(A)-(F) shall be recorded and kept for five years.

Storage Vessel and Transfer Rack Records: The owner/operator shall keep readily accessible records of the measured values of the parameters monitored in accordance with §63.985(c) or §63.987(c) and a record of the planned routine maintenance performed on the control system during which the control system does not meet the applicable specifications of §§63.983(a), 63.985(a), or 63.987(a), as applicable, due to the planned routine maintenance. This record shall include all information listed in §63.998(d)(2)(ii)(A)-(C).

Startup/Shutdown/Malfunction Records: The owner/operator shall keep records of the occurrence and duration of each

startup, shutdown, and malfunction of operation of process equipment or of air pollution control equipment used to comply with this part during which excess emissions occur. These records shall include whether the procedures in the startup/shutdown/malfunction plan were followed, and documentation of actions taken that are not consistent with the plan.

Equipment Leak Records: The owner/operator shall keep the following records for closed vent systems and control devices if specified by the equipment leak provisions in a referencing subpart: The design specifications and performance demonstrations specified in §63.998(d)(4)(i)(A)-(C) shall be kept for the life of the equipment, records of operation of closed vent system and control devices including dates and durations when the closed vent systems and control devices required are not operated as designed as indicated by the monitored parameters, dates and durations during which the monitoring system or monitoring device is inoperative, and dates and durations of start-ups and shutdowns of control devices required in this subpart shall be retained for five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 38: Reporting Requirements
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.999, Subpart SS

Item 38.1:
This Condition applies to Emission Unit: 0-00006
Process: 013

Item 38.2:
Performance test and flare compliance assessment notifications and reports:

General requirements:
- The owner/operator shall give 30 days notice before conducting a performance test or flare complaince assessment in order to allow NYSDEC the opportunity to have an observer present. If a delay occurs in onducting the scheduled compliance demontration, the owner/operator shall notify NYSDEC as soon as possible and provide at least 7 days prior notice of the rescheduled date. Performance test reports that are not submitted with the Notification of Complaince Status report shall be submitted within 60 days.

Performance test and flare compliance assessment report submittal and content requirements:

- The Notification of Compliance Status or performance test report shall include one complete test report for each test method used for a particular kind of emission point. If additional tests are performed for the same kind of emissions point using the same method, only the results and any other information required in applicable sections of this subpart shall be submitted.
- A complete test report shall include a brief description of the process, the sampling site, sampling and analysis procedures, modifications to standard procedures, quality assurance procedures, records of operating conditions during the test, records of preparation of standards, records of calibrations, raw data sheets for field sampling, raw data sheets for field and lab analyses, documentation of calculations, and any other information required by the test method.
- The performance test report shall also include the records specified in §63.998(a)(1)(i) for flare compliance assessments, the records specified in §63.998(a)(2)(ii) for nonflare control devices and halogen reduction device performance tests, and the reocrds specified in §63.998(a)(3) for recovery devices.

Notification of Compliance Status Report:

- The following information shall be included in the Notficiation of Compliance Status report, as applicable:

- If storage vessel emissions are routed to a process, the owner/operator shall submit the information listed in §63.984(b)(2) and (b)(3).
- If storage vessel emissions are routed to a fuel gas system, a statement that the emission stream is connected to the fuel gas system and whether the conveyance system is subject to the requirements of §63.983 shall be submitted.
- As specified in §63.984(c), report that the transfer rack emission stream is being routed to a fuel gas system or process, when complying with a referencing subpart.
- If storage vessel or low throughput transfer rack emissions are routed to a nonflare control device, the information listed in §63.999(b)(2)(i)-(vi) shall be submitted.

- The operating range for each monitoring parameter identified for each control, recovery, or halogen reduction device as determine pursuant to §63.996(c)(6) shall be submitted with the Notification of Compliance Status report. This range shall represent the conditions for which the control, recovery, or halogen reduction device is being properly operated and maintained. This report shall include the specific range of the monitored parameter for each emission point, the rationale for the specific range for each parameter for each emission point, including any data and calculations used to develop the range and a description of why the range indicates proper opeation of the control, recovery, or halogen reduction device, as specified in §63.999(b)(3)(ii)(A)-(C), as applicable. A definition of the source's operating day for purposes of determining daily average values of monitored parameters shall also be submitted. The definition shall specify the times at which an operating day begins and ends.

- For halogen reduction devices, the information recorded pursuant to §63.998(a)(4) shall

be submitted.

Periodic Reports:

- Periodic reports shall include the reporting period dates, the total source opeaitng time for the reporting period, and, as applicable, the following information:
- reports of periods when monitored parameters are outside their established ranges,
- all periods when the pilot flame on a flare was absent,
- For closed vent systems, the information recorded in §63.998(d)(1)(iii)(B)-(E), reports of the times of all periods when the vent stream is diverted from the control device through a bypass line, and reports of all times recorded when maintenance is performed in car-sealed valves, when the seal is broken, when the bypass line valve position is changed, or the key for a lock-and-key type configuration has been checked out.
- For storage vessels, the information recorded in §63.998(d)(2)(ii)(A)-(C), the total number of hours that the control system did not meet the requirements of §§63.983(a), 63.985(a), or 63.987(a) due to planned routine maintenance for the previous 12 months, and a description of the planned routine maintenance during the next 6-month period that is anticipated to be performed for the control system when it is not expected to meet the required control efficiency. This description shall include the type of maintenance necessary, the planned frequency of the maintenance, and expected lengths of maintenance periods.
- For nonflare control devices used to control emissions from storage vessels and low throughput transfer racks, each occurrence when the monitored parameters wre outside of the parameter ranges documented in the Notification of Compliance Status report, the identification of the control device for which the measured parametrs were outside of the established ranges, and the cause for the measured parameters to be outside of the established ranges.
- For process vents and transfer racks that are not low-throughput,
--- The daily average values of monitored parameters shall be included for any days when: 1) the daily average value is outside the range as defined in §63.998(c)(2)(iii) or (c)(3)(iii), 2) the period of control or recovery device operation is 4 hours or greater in an operating day and monitoring data are insufficient to constitute a valid hour of data for at least 75% of the operating hours [monitoring data is insufficient for the hour if measured values are unavailable for any of the 15-minute periods within the hour], 3) the period of control or recovery device operation is less than 4 hours in an operating day and more than one of the hours during the period of operation does not constitute a valid hour of data due to insufficient monitoring data.
--- All carbon-bed regeneration cycles during which the parameters recorded under §63.998(a)(2)(ii)(C) were outside the ranges established in the Notification of Compliance Status or in the operating permit.

Condition 39: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2450(g), Subpart FFFF

Item 39.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006

Process: 013

Item 39.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Requirements for performance tests. The requirements specified in paragraphs (g)(1) through (5) of this section apply instead of or in addition to the requirements specified in subpart SS of this part 63.

(1) Conduct gas molecular weight analysis using Method 3, 3A, or 3B in appendix A to part 60 of this chapter.

(2) Measure moisture content of the stack gas using Method 4 in appendix A to part 60 of this chapter.

(3) If the uncontrolled or inlet gas stream to the control device contains carbon disulfide, you must conduct emissions testing according to paragraph (g)(3)(i) or (ii) of this section.

(i) If you elect to comply with the percent reduction emission limits in tables 1 through 7 to this subpart, and carbon disulfide is the principal organic HAP component (i.e., greater than 50 percent of the HAP in the stream by volume), then you must use Method 18, or Method 15 (40 CFR part 60, appendix A) to measure carbon disulfide at the inlet and outlet of the control device. Use the percent reduction in carbon disulfide as a surrogate for the percent reduction in total organic HAP emissions.

(ii) If you elect to comply with the outlet total organic compound (TOC) concentration emission limits in tables 1 through 7 to this subpart, and the uncontrolled or inlet gas stream to the control device contains greater than 10 percent (volume concentration) carbon disulfide, you must use Method 18 or Method 15 to separately determine the carbon disulfide concentration. Calculate the total HAP or TOC emissions by totaling the carbon disulfide emissions measured using Method 18 or 15 and the other HAP emissions measured using Method 18 or 25A.

(4) As an alternative to using Method 18, Method 25/25A, or Method 26/26A of 40 CFR part 60, appendix A, to comply with any of the emission limits specified in tables 1 through 7 to this subpart, you may use Method 320 of 40 CFR part 60, appendix A. When using Method 320, you must follow the analyte spiking procedures of section 13 of Method 320, unless you demonstrate that the complete

spiking procedure has been conducted at a similar source.

(5) Section 63.997(c)(1) does not apply. For the purposes of this subpart, results of all initial compliance demonstrations must be included in the notification of compliance status report, which is due 150 days after the compliance date, as specified in §63.2520(d)(1).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2450(h), Subpart FFFF

Item 40.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 40.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Design evaluation. To determine the percent reduction of a small control device that is used to comply with an emission limit specified in table 1, 2, 3, or 5 to this subpart, you may elect to conduct a design evaluation as specified in §63.1257(a)(1) instead of a performance test as specified in subpart SS of this part 63. You must establish the value(s) and basis for the operating limits as part of the design evaluation. For continuous process vents, the design evaluation must be conducted at maximum representative operating conditions for the process, unless the Administrator specifies or approves alternate operating conditions. For transfer racks, the design evaluation must demonstrate that the control device achieves the required control efficiency during the reasonably expected maximum transfer loading rate.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 41: Compliance Demonstration

Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2450(j), Subpart FFFF

Item 41.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 41.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Continuous emissions monitoring systems. Each continuous emissions monitoring system (CEMS) must be installed, operated, and maintained according to the requirements in §63.8 and paragraphs (j)(1) through (5) of this section.

(1) Each CEMS must be installed, operated, and maintained according to the applicable Performance Specification of 40 CFR part 60, appendix B, and according to paragraph (j)(2) of this section, except as specified in paragraph (j)(1)(i) of this section. For any CEMS meeting Performance Specification 8, you must also comply with appendix F, procedure 1 of 40 CFR part 60.

(i) If you wish to use a CEMS other than an Fourier Transform Infrared Spectroscopy (FTIR) meeting the requirements of Performance Specification 15 to measure hydrogen halide and halogen HAP before we promulgate a Performance Specification for such CEMS, you must prepare a monitoring plan and submit it for approval in accordance with the procedures specified in §63.8.

(ii) [Reserved]

(2) You must determine the calibration gases and reporting units for TOC CEMS in accordance with paragraph (j)(2)(i), (ii), or (iii) of this section.

(i) For CEMS meeting Performance Specification 9 or 15 requirements, determine the target analyte(s) for calibration using either process knowledge of the control device inlet stream or the screening procedures of Method 18 on the control device inlet stream.

(ii) For CEMS meeting Performance Specification 8 used to monitor performance of a combustion device, calibrate the instrument on the predominant organic HAP and report the

results as carbon (C1), and use Method 25A or any approved alternative as the reference method for the relative accuracy tests.

(iii) For CEMS meeting Performance Specification 8 used to monitor performance of a noncombustion device, determine the predominant organic HAP using either process knowledge or the screening procedures of Method 18 on the control device inlet stream, calibrate the monitor on the predominant organic HAP, and report the results as C1. Use Method 18, ASTM D6420-99, or any approved alternative as the reference method for the relative accuracy tests, and report the results as C1.

(3) You must conduct a performance evaluation of each CEMS according to the requirements in 40 CFR 63.8 and according to the applicable Performance Specification of 40 CFR part 60, appendix B, except that the schedule in §63.8(e)(4) does not apply, and the results of the performance evaluation must be included in the notification of compliance status report.

(4) The CEMS data must be reduced to operating day or operating block averages computed using valid data consistent with the data availability requirements specified in §63.999(c)(6)(i)(B) through (D), except monitoring data also are sufficient to constitute a valid hour of data if measured values are available for at least two of the 15-minute periods during an hour when calibration, quality assurance, or maintenance activities are being performed. An operating block is a period of time from the beginning to end of batch operations within a process. Operating block averages may be used only for batch process vent data.

(5) If you add supplemental gases, you must correct the measured concentrations in accordance with paragraph (i) of this section and §63.2460(c)(6).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2450(k), Subpart FFFF

Item 42.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 42.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Continuous parameter monitoring. The provisions in paragraphs (k)(1) through (6) of this section apply in addition to the requirements for continuous parameter monitoring system (CPMS) in subpart SS of this part 63.

(1) You must record the results of each calibration check and all maintenance performed on the CPMS as specified in §63.998(c)(1)(ii)(A).

(2) When subpart SS of this part 63 uses the term “a range” or “operating range” of a monitored parameter, it means an “operating limit” for a monitored parameter for the purposes of this subpart.

(3) As an alternative to continuously measuring and recording pH as specified in §§63.994(c)(1)(i) and 63.998(a)(2)(ii)(D), you may elect to continuously monitor and record the caustic strength of the effluent. For halogen scrubbers used to control only batch process vents you may elect to monitor and record either the pH or the caustic strength of the scrubber effluent at least once per day.

(4) As an alternative to the inlet and outlet temperature monitoring requirements for catalytic incinerators as specified in §63.988(c)(2) and the related recordkeeping requirements specified in §63.998(a)(2)(ii)(B)(2) and (c)(2)(ii), you may elect to comply with the requirements specified in paragraphs (k)(4)(i) through (iv) of this section.

(i) Monitor and record the inlet temperature as specified in subpart SS of this part 63.

(ii) Check the activity level of the catalyst at least every 12 months and take any necessary corrective action, such as replacing the catalyst to ensure that the catalyst is performing as designed.

(iii) Maintain records of the annual checks of catalyst activity levels and the subsequent corrective actions.

(iv) Recording the downstream temperature and temperature difference across the catalyst bed as specified in §63.998(a)(2)(ii)(B)(2) and (b)(2)(ii) is not required.

(5) For absorbers that control organic compounds and use water as the scrubbing fluid, you must conduct monitoring and recordkeeping as specified in paragraphs (k)(5)(i) through (iii) of this section instead of the monitoring and recordkeeping requirements specified in §§63.990(c)(1), 63.993(c)(1), and 63.998(a)(2)(ii)(C).

(i) You must use a flow meter capable of providing a continuous record of the absorber influent liquid flow.

(ii) You must determine gas stream flow using one of the procedures specified in §63.994(c)(1)(ii)(A) through (D).

(iii) You must record the absorber liquid-to-gas ratio averaged over the time period of any performance test.

(6) For a control device with total inlet HAP emissions less than 1 tpy, you must establish an operating limit(s) for a parameter(s) that you will measure and record at least once per averaging period (i.e., daily or block) to verify that the control device is operating properly. You may elect to measure the same parameter(s) that is required for control devices that control inlet HAP emissions equal to or greater than 1 tpy. If the parameter will not be measured continuously, you must request approval of your proposed procedure in the precompliance report. You must identify the operating limit(s) and the measurement frequency, and you must provide rationale to support how these measurements demonstrate the control device is operating properly.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 43: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2450(p), Subpart FFFF

Item 43.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 43.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Opening a safety device, as defined in §63.2550, is allowed at any time conditions require it to avoid unsafe conditions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 44: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2460(a), Subpart FFFF

Item 44.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 44.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
You must meet each emission limit in Table 2 to this subpart that applies to you, and you must meet each applicable requirement specified in paragraphs (b) and (c) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 45: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2460(b), Subpart FFFF

Item 45.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 45.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Group status. If a process has batch process vents, as defined in §63.2550, you must determine the group status of the batch process vents by determining and summing the uncontrolled organic HAP emissions from each of the batch process vents within the process using the procedures specified in §63.1257(d)(2)(i) and (ii), except as specified in paragraphs (b)(1) through (7) of this section.

(1) To calculate emissions caused by the heating of a vessel without a process condenser to a temperature lower than the boiling point, you must use the procedures in §63.1257(d)(2)(i)(C)(3).

(2) To calculate emissions from depressurization of a vessel without a process condenser, you must use the procedures in §63.1257(d)(2)(i)(D)(10).

(3) To calculate emissions from vacuum systems for the purposes of this subpart, the receiving vessel is part of the vacuum system, and terms used in Equation 33 to 40 CFR part 63, subpart GGG, are defined as follows:

Psystem = absolute pressure of the receiving vessel;

Pi = partial pressure of the HAP determined at the exit temperature and exit pressure conditions of the condenser or at the conditions of the dedicated receiver;

Pj = partial pressure of condensables (including HAP) determined at the exit temperature and exit pressure conditions of the condenser or at the conditions of the dedicated receiver;

MWHAP = molecular weight of the HAP determined at the exit temperature and exit pressure conditions of the condenser or at the conditions of the dedicated receiver.

(4) To calculate uncontrolled emissions when a vessel is equipped with a process condenser, you must use the procedures in §63.1257(d)(3)(i)(B), except as specified in paragraphs (b)(4)(i) through (vii) of this section.

(i) You must determine the flowrate of gas (or volume of gas), partial pressures of condensables, temperature (T), and HAP molecular weight (MWHAP) at the exit temperature and exit pressure conditions of the condenser or at the conditions of the dedicated receiver.

(ii) You must assume that all of the components contained in the condenser exit vent stream are in equilibrium with the same components in the exit condensate stream (except for noncondensables).

(iii) You must perform a material balance for each component.

(iv) For the emissions from gas evolution, the term for time, t, must be used in Equation 12 to 40 CFR part 63, subpart GGG.

(v) Emissions from empty vessel purging shall be calculated using Equation 36 to 40 CFR part 63, subpart GGG and the exit temperature and exit pressure conditions of the condenser or the conditions of the dedicated receiver.

(vi) You must conduct an engineering assessment as specified in §63.1257(d)(2)(ii) for each emission episode that is not due to vapor displacement, purging, heating, depressurization, vacuum operations, gas evolution, air drying, or empty vessel purging. The requirements of paragraphs (b)(3) through (4) of this section shall apply.

(vii) You may elect to conduct an engineering assessment if you can demonstrate to the Administrator that the methods in §63.1257(d)(3)(i)(B) are not appropriate.

(5) You may elect to designate the batch process vents within a process as Group 1 and not calculate uncontrolled emissions under either of the situations in paragraph (b)(5)(i), (ii), or (iii) of this section.

(i) If you comply with the alternative standard specified in §63.2505.

(ii) If all Group 1 batch process vents within a process are controlled; you conduct the performance test under hypothetical worst case conditions, as defined in §63.1257(b)(8)(i)(B); and the emission profile is based on capture and control system limitations as specified in §63.1257(b)(8)(ii)(C).

(iii) If you comply with an emission limit using a flare that meets the requirements specified in §63.987.

(6) You may change from Group 2 to Group 1 in accordance with either paragraph (b)(6)(i) or (ii) of this section. You must comply with the requirements of this section and submit the test report in the next Compliance report.

(i) You may switch at any time after operating as Group 2 for at least 1 year so that you can show compliance with the 10,000 pounds per year (lb/yr) threshold for Group 2 batch process vents for at least 365 days before the switch. You may elect to start keeping records of emissions from Group 2 batch process vents before the compliance date. Report a switch based on this provision in your next compliance report in accordance with §63.2520(e)(10)(i).

(ii) If the conditions in paragraph (b)(6)(i) of this section are not applicable, you must provide a 60-day advance notice in accordance with §63.2520(e)(10)(ii) before switching.

(7) As an alternative to determining the uncontrolled organic HAP emissions as specified in §63.1257(d)(2)(i) and (ii), you may elect to demonstrate that non-reactive organic HAP are the only HAP used in the process and non-reactive HAP usage in the process is less than 10,000 lb/yr. You must provide data and supporting rationale in your notification of compliance status report explaining why the non-reactive organic HAP usage will be less than 10,000 lb/yr. You must keep records of the non-reactive organic HAP usage as specified in §63.2525(e)(2) and include information in compliance reports as specified in §63.2520(e)(5)(iv).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 46: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2460(c), Subpart FFFF

Item 46.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 46.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Exceptions to the requirements in subparts SS and WW of this part 63 are specified in paragraphs (c)(1) through (9) of this section as applicable.

(1) Process condensers. Process condensers, as defined in §63.2550(i), are not considered to be control devices for batch process vents. You must determine whether a condenser is a control device for a batch process vent or a process condenser from which the uncontrolled HAP emissions are evaluated as part of the initial compliance demonstration for each MCPU and report the results with supporting rationale in your notification of compliance status report.

(2) Initial compliance. (i) To demonstrate initial compliance with a percent reduction emission limit in Table 2 to this subpart FFFF, you must compare the sums of the controlled and uncontrolled emissions for the applicable Group 1 batch process vents within the process, and show that the specified reduction is met. This requirement does not apply if you comply with the emission limits of Table 2 to this subpart FFFF by using a flare that meets the requirements of §63.987.

(ii) When you conduct a performance test or design evaluation for a non-flare control device used to control emissions from batch process vents, you must establish emission profiles and conduct the test under worst-case conditions according to §63.1257(b)(8) instead of under normal operating conditions as specified in §63.7(e)(1). The requirements in §63.997(e)(1)(i) and (iii) also do not apply for performance tests conducted to determine compliance with the emission limits for batch process vents. For purposes of this subpart FFFF, references in §63.997(b)(1) to “methods specified in §63.997(e)” include the methods specified in §63.1257(b)(8).

(iii) As an alternative to conducting a performance test or design evaluation to demonstrate initial compliance with a percent reduction requirement for a condenser, you may determine controlled emissions using the procedures specified in §63.1257(d)(3)(i)(B) and paragraphs (b)(3) through (4) of this section.

(iv) When §63.1257(d)(3)(i)(B)(7) specifies that condenser-controlled emissions from an air dryer must be

calculated using Equation 11 of 40 CFR part 63, subpart GGG, with “V equal to the air flow rate,” it means “V equal to the dryer outlet gas flow rate,” for the purposes of this subpart. Alternatively, you may use Equation 12 of 40 CFR part 63, subpart GGG, with V equal to the dryer inlet air flow rate. Account for time as appropriate in either equation.

(v) If a process condenser is used for any boiling operations, you must demonstrate that it is properly operated according to the procedures specified in §63.1257(d)(2)(i)(C)(4)(ii) and (d)(3)(iii)(B), and the demonstration must occur only during the boiling operation. The reference in §63.1257(d)(3)(iii)(B) to the alternative standard in §63.1254(c) means §63.2505 for the purposes of this subpart. As an alternative to measuring the exhaust gas temperature, as required by §63.1257(d)(3)(iii)(B), you may elect to measure the liquid temperature in the receiver.

(vi) You must conduct a subsequent performance test or compliance demonstration equivalent to an initial compliance demonstration within 180 days of a change in the worst-case conditions.

(3) Establishing operating limits. You must establish operating limits under the conditions required for your initial compliance demonstration, except you may elect to establish operating limit(s) for conditions other than those under which a performance test was conducted as specified in paragraph (c)(3)(i) of this section and, if applicable, paragraph (c)(3)(ii) of this section.

(i) The operating limits may be based on the results of the performance test and supplementary information such as engineering assessments and manufacturer's recommendations. These limits may be established for conditions as unique as individual emission episodes for a batch process. You must provide rationale in the precompliance report for the specific level for each operating limit, including any data and calculations used to develop the limit and a description of why the limit indicates proper operation of the control device. The procedures provided in this paragraph (c)(3)(i) have not been approved by the Administrator and determination of the operating limit using these procedures is subject to review and approval by the Administrator.

(ii) If you elect to establish separate monitoring levels for different emission episodes within a batch process, you must maintain records in your daily schedule or log of processes indicating each point at which you change from

one operating limit to another, even if the duration of the monitoring for an operating limit is less than 15 minutes. You must maintain a daily schedule or log of processes according to §63.2525(c).

(4) Averaging periods. As an alternative to the requirement for daily averages in §63.998(b)(3), you may determine averages for operating blocks. An operating block is a period of time that is equal to the time from the beginning to end of batch process operations within a process.

(5) [Reserved]

(6) Outlet concentration correction for supplemental gases. If you use a control device other than a combustion device to comply with a TOC, organic HAP, or hydrogen halide and halogen HAP outlet concentration emission limit for batch process vents, you must correct the actual concentration for supplemental gases using Equation 1 of this section; you may use process knowledge and representative operating data to determine the fraction of the total flow due to supplemental gas.

$$Ca = Cm [(Qs + Qa) / Qa]$$

Where:

Ca = corrected outlet TOC, organic HAP, or hydrogen halide and halogen HAP concentration, dry basis, ppmv;

Cm = actual TOC, organic HAP, or hydrogen halide and halogen HAP concentration measured at control device outlet, dry basis, ppmv;

Qa = total volumetric flowrate of all gas streams vented to the control device, except supplemental gases;

Qs = total volumetric flowrate of supplemental gases.

(7) If flow to a control device could be intermittent, you must install, calibrate, and operate a flow indicator at the inlet or outlet of the control device to identify periods of no flow. Periods of no flow may not be used in daily or block averages, and it may not be used in fulfilling a minimum data availability requirement.

(8) Terminology. When the term “storage vessel” is used in

subpart WW of this part 63, the term “process tank,” as defined in §63.2550(i), applies for the purposes of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 47: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2475, Subpart FFFF

Item 47.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 47.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) You must comply with each emission limit and work practice standard in table 5 to this subpart that applies to your transfer racks, and you must meet each applicable requirement in paragraphs (b) and (c) of this section.

(b) When the term “high throughput transfer rack” is used in subpart SS of this part 63, the term “Group 1 transfer rack,” as defined in §63.2550, applies for the purposes of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 48: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2490, Subpart FFFF

Item 48.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 48.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
You must comply with each requirement in Table 10 to this subpart that applies to your heat exchange systems, except as specified in paragraphs (b) and (c) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 49: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2495, Subpart FFFF

Item 49.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 49.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(b) Exclusions. (1) You must comply with the emission limitations and work practice standards contained in tables 1 through 7 of this subpart for all HAP that are generated in the MCPU and that are not included in consumption, as defined in §63.2550. If any vent stream routed to the combustion control is a halogenated vent stream, as defined in §63.2550, then hydrogen halides that are generated as a result of combustion control must be controlled according to the requirements of §63.994 and the requirements referenced therein.

(2) You may not merge nondedicated formulation or nondedicated solvent recovery processes with any other processes.

(c) Initial compliance procedures. To demonstrate initial compliance with paragraph (a) of this section, you must prepare a demonstration summary in accordance with paragraph (c) (1) of this section and calculate baseline and target annual HAP and VOC factors in accordance with paragraphs (c) (2) and (3) of this section.

(1) Demonstration plan. You must prepare a pollution prevention demonstration plan that contains, at a minimum, the information in paragraphs (c)(1) (i) through (iii) of this section for each MCPU for which you comply with paragraph (a) of this section.

(i) Descriptions of the methodologies and forms used to measure and record consumption of HAP and VOC compounds.

(ii) Descriptions of the methodologies and forms used to measure and record production of the product(s).

(iii) Supporting documentation for the descriptions provided in accordance with paragraphs (c)(1) (i) and (ii) of this section including, but not limited to, samples of operator log sheets and daily, monthly, and/or annual inventories of materials and products. You must describe how this documentation will be used to calculate the annual factors required in paragraph (d) of this section.

(2) Baseline factors. You must calculate baseline HAP and VOC factors by dividing the consumption of total HAP and total VOC by the production rate, per process, for the first 3-year period in which the process was operational, beginning no earlier than the period consisting of the 1994 through 1996 calendar years.

(3) Target annual factors. You must calculate target annual HAP and VOC factors. The target annual HAP factor must be equal to 35 percent of the baseline HAP factor. The target annual VOC factor must be lower than the baseline VOC factor by an amount equivalent to the reduction in any HAP that is also a VOC, on a mass basis. The target annual VOC factor may be the same as the baseline VOC factor if the only HAP you reduce is not a VOC.

(d) Continuous compliance requirements. You must calculate annual rolling average values of the HAP and VOC factors (annual factors) in accordance with the procedures specified in paragraphs (d) (1) through (3) of this section. To show continuous compliance, the annual factors must be equal to or less than the target annual factors calculated according to paragraph (c)(3) of this section.

(1) To calculate the annual factors, you must divide the consumption of both total HAP and total VOC by the production rate, per process, for 12-month periods at the frequency specified in either paragraph (d) (2) or (3) of

this section, as applicable.

(2) For continuous processes, you must calculate the annual factors every 30 days for the 12-month period preceding the 30th day (i.e., annual rolling average calculated every 30 days). A process with both batch and continuous operations is considered a continuous process for the purposes of this section.

(3) For batch processes, you must calculate the annual factors every 10 batches for the 12-month period preceding the 10th batch (i.e., annual rolling average calculated every 10 batches), except as specified in paragraphs (d)(3) (i) and (ii) of this section.

(i) If you produce more than 10 batches during a month, you must calculate the annual factors at least once during that month.

(ii) If you produce less than 10 batches in a 12-month period, you must calculate the annual factors for the number of batches in the 12-month period since the previous calculations.

(e) Records. You must keep records of HAP and VOC consumption, production, and the rolling annual HAP and VOC factors for each MCPU for which you are complying with paragraph (a) of this section.

(f) Reporting. (1) You must include the pollution prevention demonstration plan in the precompliance report required by §63.2520(c).

(2) You must identify all days when the annual factors were above the target factors in the compliance reports.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 50: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2500, Subpart FFFF

Item 50.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 50.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) For an existing source, you may elect to comply with the percent reduction emission limitations in Tables 1, 2, 4, 5, and 7 to this subpart by complying with the emissions averaging provisions specified in §63.150, except as specified in paragraphs (b) through (f) of this section.

(b) The batch process vents in an MCPU collectively are considered one individual emission point for the purposes of emissions averaging, except that only individual batch process vents must be excluded to meet the requirements of §63.150(d)(5).

(c) References in §63.150 to §§63.112 through 63.130 mean the corresponding requirements in §§63.2450 through 63.2490, including applicable monitoring, recordkeeping, and reporting.

(d) References to “periodic reports” in §63.150 mean “compliance report” for the purposes of this subpart.

(e) For batch process vents, estimate uncontrolled emissions for a standard batch using the procedures in §63.1257(d)(2)(i) and (ii) instead of the procedures in §63.150(g)(2). Multiply the calculated emissions per batch by the number of batches per month when calculating the monthly emissions for use in calculating debits and credits.

(f) References to “storage vessels” in §63.150 mean “storage tank” as defined in §63.2550 for the purposes of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 51: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2505, Subpart FFFF

Item 51.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 51.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

As an alternative to complying with the emission limits and work practice standards for process vents and storage tanks in Tables 1 through 4 to this subpart and the requirements in §§63.2455 through 63.2470, you may comply with the emission limits in paragraph (a) of this section and demonstrate compliance in accordance with the requirements in paragraph (b) of this section.

(a) Emission limits and work practice standards. (1) You must route vent streams through a closed-vent system to a control device that reduces HAP emissions as specified in either paragraph (a)(1)(i) or (ii) of this section.

(i) If you use a combustion control device, it must reduce HAP emissions as specified in paragraphs (a)(1)(i)(A), (B), and (C) of this section.

(A) To an outlet TOC concentration of 20 parts per million by volume (ppmv) or less.

(B) To an outlet concentration of hydrogen halide and halogen HAP of 20 ppmv or less.

(C) As an alternative to paragraph (a)(1)(i)(B) of this section, if you control halogenated vent streams emitted from a combustion device followed by a scrubber, reduce the hydrogen halide and halogen HAP generated in the combustion device by greater than or equal to 95 percent by weight in the scrubber.

(ii) If you use a noncombustion control device(s), it must reduce HAP emissions to an outlet total organic HAP concentration of 50 ppmv or less, and an outlet concentration of hydrogen halide and halogen HAP of 50 ppmv or less.

(2) Any Group 1 process vents within a process that are not controlled according to this alternative standard must be controlled according to the emission limits in tables 1 through 3 to this subpart.

(b) Compliance requirements. To demonstrate compliance

with paragraph (a) of this section, you must meet the requirements of §63.1258(b)(5) beginning no later than the initial compliance date specified in §63.2445, except as specified in paragraphs (b)(1) through (9) of this section.

(1) You must comply with the requirements in §63.983 and the requirements referenced therein for closed-vent systems.

(2) When §63.1258(b)(5)(i) refers to §§63.1253(d) and 63.1254(c), the requirements in paragraph (a) of this section apply for the purposes of this subpart FFFF.

(3) When §63.1258(b)(5)(i)(B) refers to "HCl," it means "total hydrogen halide and halogen HAP" for the purposes of this subpart FFFF.

(4) When §63.1258(b)(5)(ii) refers to §63.1257(a)(3), it means §63.2450(j)(5) for the purposes of this subpart FFFF.

(5) You must submit the results of any determination of the target analytes of predominant HAP in the notification of compliance status report.

(6) If you elect to comply with the requirement to reduce hydrogen halide and halogen HAP by greater than or equal to 95 percent by weight in paragraph (a)(1)(i)(C) of this section, you must meet the requirements in paragraphs (b)(6)(i) and (ii) of this section.

(i) Demonstrate initial compliance with the 95 percent reduction by conducting a performance test and setting a site-specific operating limit(s) for the scrubber in accordance with §63.994 and the requirements referenced therein. You must submit the results of the initial compliance demonstration in the notification of compliance status report.

(ii) Install, operate, and maintain CPMS for the scrubber as specified in §§63.994(c) and 63.2450(k), instead of as specified in §63.1258(b)(5)(i)(C).

(7) If flow to the scrubber could be intermittent, you must install, calibrate, and operate a flow indicator as specified in §63.2460(c)(7).

(8) Use the operating day as the averaging period for CEMS data and scrubber parameter monitoring data.

(9) The requirements in paragraph (a) of this section do not apply to emissions from storage tanks during periods of planned routine maintenance of the control device that do not exceed 240 hr/yr. You may submit an application to the Administrator requesting an extension of this time limit to a total of 360 hr/yr in accordance with the procedures specified in §63.2470(d). You must comply with the recordkeeping and reporting specified in §§63.998(d)(2)(ii) and 63.999(c)(4) for periods of planned routine maintenance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 52: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2515, Subpart FFFF

Item 52.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 52.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) You must submit all of the notifications in §§63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) Initial notification. As specified in §63.9(b)(2), if you startup your affected source before November 10, 2003, you must submit an initial notification not later than 120 calendar days after November 10, 2003.

(2) As specified in §63.9(b)(3), if you startup your new affected source on or after November 10, 2003, you must submit an initial notification not later than 120 calendar days after you become subject to this subpart.

(c) Notification of performance test. If you are required to conduct a performance test, you must submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1). For any

performance test required as part of the initial compliance procedures for batch process vents in table 2 to this subpart, you must also submit the test plan required by §63.7(c) and the emission profile with the notification of the performance test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 53: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2520, Subpart FFFF

Item 53.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 53.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) You must submit each report in Table 11 to this subpart that applies to you.

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date in table 11 to this subpart and according to paragraphs (b)(1) through (5) of this section.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in §63.2445 and ending on June 30 or December 31, whichever date is the first date following the end of the first 6 months after the compliance date that is specified for your affected source in §63.2445.

(2) The first compliance report must be postmarked or delivered no later than August 31 or February 28, whichever date is the first date following the end of the first reporting period specified in paragraph (b)(1) of this section.

(3) 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.

(4) Each subsequent compliance report must be postmarked or delivered no later than August 31 or February 28, whichever date is the first date following the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 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 (b)(1) through (4) of this section.

(c) Precompliance report. You must submit a precompliance report to request approval for any of the items in paragraphs (c)(1) through (7) of this section. We will either approve or disapprove the report within 90 days after we receive it. If we disapprove the report, you must still be in compliance with the emission limitations and work practice standards in this subpart by the compliance date. To change any of the information submitted in the report, you must notify us 60 days before the planned change is to be implemented.

(1) Requests for approval to set operating limits for parameters other than those specified in §§63.2455 through 63.2485 and referenced therein. Alternatively, you may make these requests according to §63.8(f).

(2) Descriptions of daily or per batch demonstrations to verify that control devices subject to §63.2460(c)(5) are operating as designed.

(3) A description of the test conditions, data, calculations, and other information used to establish operating limits according to §63.2460(c)(3).

(4) Data and rationale used to support an engineering assessment to calculate uncontrolled emissions in accordance with §63.1257(d)(2)(ii). This requirement does not apply to calculations of hydrogen halide and halogen HAP emissions as specified in §63.2465(b), to determinations that the total HAP concentration is less than 50 ppmv, or if you use previous test data to establish the uncontrolled emissions.

(5) The pollution prevention demonstration plan required

in §63.2495(c)(1), if you are complying with the pollution prevention alternative.

(d) Notification of compliance status report. You must submit a notification of compliance status report according to the schedule in paragraph (d)(1) of this section, and the notification of compliance status report must contain the information specified in paragraph (d)(2) of this section.

(1) You must submit the notification of compliance status report no later than 150 days after the applicable compliance date specified in §63.2445.

(2) The notification of compliance status report must include the information in paragraphs (d)(2)(i) through (ix) of this section.

(i) The results of any applicability determinations, emission calculations, or analyses used to identify and quantify HAP usage or HAP emissions from the affected source.

(ii) The results of emissions profiles, performance tests, engineering analyses, design evaluations, flare compliance assessments, inspections and repairs, and calculations used to demonstrate initial compliance according to §§63.2455 through 63.2485. For performance tests, results must include descriptions of sampling and analysis procedures and quality assurance procedures.

(iii) Descriptions of monitoring devices, monitoring frequencies, and the operating limits established during the initial compliance demonstrations, including data and calculations to support the levels you establish.

(iv) All operating scenarios.

(v) Descriptions of worst-case operating and/or testing conditions for control devices.

(vi) Identification of parts of the affected source subject to overlapping requirements described in §63.2535 and the authority under which you will comply.

(vii) The information specified in §63.1039(a)(1) through (3) for each process subject to the work practice standards for equipment leaks in Table 6 to this subpart.

(viii) Identify storage tanks for which you are complying with the vapor balancing alternative in §63.2470(e).

(ix) Records as specified in §63.2535(l)(1) through (3) of process units used to create a PUG and calculations of the initial primary product of the PUG.

(e) Compliance report. The compliance report must contain the information specified in paragraphs (e)(1) through (10) of this section.

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the accuracy of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) For each SSM during which excess emissions occur, the compliance report must include records that the procedures specified in your startup, shutdown, and malfunction plan (SSMP) were followed or documentation of actions taken that are not consistent with the SSMP, and include a brief description of each malfunction.

(5) The compliance report must contain the information on deviations, as defined in §63.2550, according to paragraphs (e)(5)(i), (ii), (iii), and (iv) of this section.

(i) If there are no deviations from any emission limit, operating limit or work practice standard specified in this subpart, include a statement that there were no deviations from the emission limits, operating limits, or work practice standards during the reporting period.

(ii) For each deviation from an emission limit, operating limit, and work practice standard that occurs at an affected source where you are not using a continuous monitoring system (CMS) to comply with the emission limit or work practice standard in this subpart, you must include the information in paragraphs (e)(5)(ii)(A) through (C) of this section. This includes periods of SSM.

(A) The total operating time of the affected source during the reporting period.

(B) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as

applicable, and the corrective action taken.

(C) Operating logs of processes with batch vents from batch operations for the day(s) during which the deviation occurred, except operating logs are not required for deviations of the work practice standards for equipment leaks.

(iii) For each deviation from an emission limit or operating limit occurring at an affected source where you are using a CMS to comply with an emission limit in this subpart, you must include the information in paragraphs (e)(5)(iii)(A) through (L) of this section. This includes periods of SSM.

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

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

(C) 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.

(D) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total operating time of the affected source during that reporting period.

(E) 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.

(F) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the affected source during that reporting period.

(G) An identification of each HAP that is known to be in the emission stream.

(H) A brief description of the process units.

(I) A brief description of the CMS.

(J) The date of the latest CMS certification or audit.

(K) Operating logs of processes with batch vents from batch operations for each day(s) during which the deviation occurred.

(L) The operating day or operating block average values of monitored parameters for each day(s) during which the deviation occurred.

(iv) If you documented in your notification of compliance status report that an MCPU has Group 2 batch process vents because the non-reactive HAP is the only HAP and usage is less than 10,000 lb/yr, the total uncontrolled organic HAP emissions from the batch process vents in an MCPU will be less than 1,000 lb/yr for the anticipated number of standard batches, or total uncontrolled hydrogen halide and halogen HAP emissions from all batch process vents and continuous process vents in a process are less than 1,000 lb/yr, include the records associated with each calculation required by §63.2525(e) that exceeds an applicable HAP usage or emissions threshold.

(6) If you use a CEMS, and there were no periods during which it was out-of-control as specified in §63.8(c)(7), include a statement that there were no periods during which the CEMS was out-of-control during the reporting period.

(7) Include each new operating scenario which has been operated since the time period covered by the last compliance report and has not been submitted in the notification of compliance status report or a previous compliance report. For each new operating scenario, you must provide verification that the operating conditions for any associated control or treatment device have not been exceeded and that any required calculations and engineering analyses have been performed. For the purposes of this paragraph, a revised operating scenario for an existing process is considered to be a new operating scenario.

(8) Records of process units added to a PUG as specified in §63.2525(i)(4) and records of primary product redeterminations as specified in §63.2525(i)(5).

(9) Applicable records and information for periodic reports as specified in referenced subparts F, G, H, SS, UU, WW, and GGG of this part and subpart F of 40 CFR part 65.

(10) Notification of process change. (i) Except as specified in paragraph (e)(10)(ii) of this section,

whenever you make a process change, or change any of the information submitted in the notification of compliance status report or a previous compliance report, that is not within the scope of an existing operating scenario, you must document the change in your compliance report. A process change does not include moving within a range of conditions identified in the standard batch, and a nonstandard batch does not constitute a process change. The notification must include all of the information in paragraphs (e)(10)(i)(A) through (C) of this section.

(A) A description of the process change.

(B) Revisions to any of the information reported in the original notification of compliance status report under paragraph (d) of this section.

(C) Information required by the notification of compliance status report under paragraph (d) of this section for changes involving the addition of processes or equipment at the affected source.

(ii) You must submit a report 60 days before the scheduled implementation date of any of the changes identified in paragraph (e)(10)(ii)(A), (B), or (C) of this section.

(A) Any change to the information contained in the precompliance report.

(B) A change in the status of a control device from small to large.

(C) A change from Group 2 to Group 1 for any emission point except for batch process vents that meet the conditions specified in §63.2460(b)(6)(i).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 54: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2525, Subpart FFFF

Item 54.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006

Process: 013

Item 54.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

You must keep the records specified in paragraphs (a) through (k) of this section.

(a) Each applicable record required by subpart A of this part 63 and in referenced subparts F, G, SS, UU, WW, and GGG of this part 63 and in referenced subpart F of 40 CFR part 65.

(b) Records of each operating scenario as specified in paragraphs (b)(1) through (8) of this section.

(1) A description of the process and the type of process equipment used.

(2) An identification of related process vents, including their associated emissions episodes if not complying with the alternative standard in §63.2505; wastewater point of determination (POD); storage tanks; and transfer racks.

(3) The applicable control requirements of this subpart, including the level of required control, and for vents, the level of control for each vent.

(4) The control device or treatment process used, as applicable, including a description of operating and/or testing conditions for any associated control device.

(5) The process vents, wastewater POD, transfer racks, and storage tanks (including those from other processes) that are simultaneously routed to the control device or treatment process(s).

(6) The applicable monitoring requirements of this subpart and any parametric level that assures compliance for all emissions routed to the control device or treatment process.

(7) Calculations and engineering analyses required to demonstrate compliance.

(8) For reporting purposes, a change to any of these elements not previously reported, except for paragraph (b)(5) of this section, constitutes a new operating

scenario.

(c) A schedule or log of operating scenarios for processes with batch vents from batch operations updated each time a different operating scenario is put into effect.

(d) The information specified in paragraphs (d)(1) and (2) of this section for Group 1 batch process vents in compliance with a percent reduction emission limit in Table 2 to this subpart if some of the vents are controlled to less the percent reduction requirement.

(1) Records of whether each batch operated was considered a standard batch.

(2) The estimated uncontrolled and controlled emissions for each batch that is considered to be a nonstandard batch.

(e) The information specified in paragraph (e)(2), (3), or (4) of this section, as applicable, for each process with Group 2 batch process vents or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr. No records are required for situations described in paragraph (e)(1) of this section.

(1) No records are required if you documented in your notification of compliance status report that the MCPU meets any of the situations described in paragraph (e)(1)(i), (ii), or (iii) of this section.

(i) The MCPU does not process, use, or generate HAP.

(ii) You control the Group 2 batch process vents using a flare that meets the requirements of §63.987.

(iii) You control the Group 2 batch process vents using a control device for which your determination of worst case for initial compliance includes the contribution of all Group 2 batch process vents.

(2) If you documented in your notification of compliance status report that an MCPU has Group 2 batch process vents because the non-reactive organic HAP is the only HAP and usage is less than 10,000 lb/yr, as specified in §63.2460(b)(7), you must keep records of the amount of HAP material used, and calculate the daily rolling annual sum of the amount used no less frequently than monthly. If a record indicates usage exceeds 10,000 lb/yr, you must

estimate emissions for the preceding 12 months based on the number of batches operated and the estimated emissions for a standard batch, and you must begin recordkeeping as specified in paragraph (e)(4) of this section. After 1 year, you may revert to recording only usage if the usage during the year is less than 10,000 lb.

(3) If you documented in your notification of compliance status report that total uncontrolled organic HAP emissions from the batch process vents in an MCPU will be less than 1,000 lb/yr for the anticipated number of standard batches, then you must keep records of the number of batches operated and calculate a daily rolling annual sum of batches operated no less frequently than monthly. If the number of batches operated results in organic HAP emissions that exceed 1,000 lb/yr, you must estimate emissions for the preceding 12 months based on the number of batches operated and the estimated emissions for a standard batch, and you must begin recordkeeping as specified in paragraph (e)(4) of this section. After 1 year, you may revert to recording only the number of batches if the number of batches operated during the year results in less than 1,000 lb of organic HAP emissions.

(4) If you meet none of the conditions specified in paragraphs (e)(1) through (3) of this section, you must keep records of the information specified in paragraphs (e)(4)(i) through (iv) of this section.

(i) A record of the day each batch was completed and/or the operating hours per day for continuous operations with hydrogen halide and halogen emissions.

(ii) A record of whether each batch operated was considered a standard batch.

(iii) The estimated uncontrolled and controlled emissions for each batch that is considered to be a nonstandard batch.

(iv) Records of the daily 365-day rolling summations of emissions, or alternative records that correlate to the emissions (e.g., number of batches), calculated no less frequently than monthly.

(f) A record of each time a safety device is opened to avoid unsafe conditions in accordance with §63.2450(s).

(g) Records of the results of each CPMS calibration check and the maintenance performed, as specified in

§63.2450(k)(1).

(h) For each CEMS, you must keep records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(i) For each PUG, you must keep records specified in paragraphs (i)(1) through (5) of this section.

(1) Descriptions of the MCPU and other process units in the initial PUG required by §63.2535(l)(1)(v).

(2) Rationale for including each MCPU and other process unit in the initial PUG (i.e., identify the overlapping equipment between process units) required by §63.2535(l)(1)(v).

(3) Calculations used to determine the primary product for the initial PUG required by §63.2535(l)(2)(iv).

(4) Descriptions of process units added to the PUG after the creation date and rationale for including the additional process units in the PUG as required by §63.2535(l)(1)(v).

(5) The calculation of each primary product redetermination required by §63.2535(l)(2)(iv).

(j) In the SSMP required by §63.6(e)(3), you are not required to include Group 2 emission points, unless those emission points are used in an emissions average. For equipment leaks, the SSMP requirement is limited to control devices and is optional for other equipment.

(k) For each bag leak detector used to monitor PM HAP emissions from a fabric filter, maintain records of any bag leak detection alarm, including the date and time, with a brief explanation of the cause of the alarm and the corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 55: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2535(a), Subpart FFFF

Item 55.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 55.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Compliance with other subparts of this part 63. (1) If you have an MCPU that includes a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63, you must comply with the emission limits; operating limits; work practice standards; and the compliance, monitoring, reporting, and recordkeeping requirements for batch process vents in this subpart, and you must continue to comply with the requirements in subparts F, G, and H of this part 63 that are applicable to the CMPU and associated equipment.

(2) After the compliance dates specified in §63.2445, at an offsite reloading or cleaning facility subject to §63.1253(f), as referenced from §63.2470(e), compliance with the monitoring, recordkeeping, and reporting provisions of any other subpart of this part 63 constitutes compliance with the monitoring, recordkeeping, and reporting provisions of §63.1253(f)(7)(ii) or §63.1253(f)(7)(iii). You must identify in your notification of compliance status report required by §63.2520(d) the subpart of this part 63 with which the owner or operator of the offsite reloading or cleaning facility complies.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 56: General provisions of subpart A
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:40CFR 63.2540, Subpart FFFF

Item 56.1:
This Condition applies to Emission Unit: 0-00006
Process: 013

Item 56.2:
Table 12 of subpart FFFF lists which parts of the general provisions listed in subpart A of part

63 which apply to the facility.

Condition 57: Emissions from Existing Sources
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212.3 (a)

Item 57.1:
This Condition applies to Emission Unit: 0-00006
Process: 042

Item 57.2: No person will cause or allow emissions that violate the requirement specified in Table 2, Table 3, or Table 4 of 6NYCRR Part 212 for the environmental rating issued by the commissioner.

Condition 58: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212.3 (b)

Item 58.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 042

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 58.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of solid particulates are limited to less than 0.15 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.15 grains per dscf
Reference Test Method: EPA Method 5
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 59: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 59.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 042

Item 59.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 60: Emissions from new emission sources and/or modifications not specified by Table 2
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 60.1:
This Condition applies to Emission Unit: 0-00006
Process: 042

Item 60.2:
For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Condition 61: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 61.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 042

Item 61.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

In the instances where determination of permissible emission rate using process weight is not applicable (see Table 5) and for an environmental rating of B or C, emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

The applicable testing shall be determined and submitted for review.

The compliance testing will be conducted at the discretion of the Department and, within acceptable time frame to valid monitoring or limiting requirements.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: Method 5
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 62: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 62.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 042

Item 62.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible

emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 63: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212.10 (c) (1)

Item 63.1:
This Condition applies to Emission Unit: 0-00006
Process: 042

Item 63.2:
A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and New York City metropolitan areas.

Condition 64: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212.10 (c) (4) (i)

Item 64.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00006
Process: 042

Item 64.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(i) Volatile organic compound emission points which are equipped with a capture system and a control device with an overall removal efficiency of at least 81 percent are equipped with reasonably available control technology.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**
Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state only enforceable.

Condition 65: **Contaminant List**
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable State Requirement:ECL 19-0301

Item 65.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY100-00-0
Name: TOTAL HAP

Condition 66: Malfunctions and start-up/shutdown activities
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable State Requirement:6 NYCRR 201-1.4

Item 66.1:
(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that

such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 67: Emission Unit Definition
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 67.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-00006
Emission Unit Description:
This unit is composed of manufacturing components associated with resin and associated products. This unit batch produces Resole Resins, Resin Solutions, Resorcinol Resins, Distillation Products, Bisphenol A Resoles, and Zinc Salicyate. Standard operating procedures for each specific product are maintained and available on site

Selected manufacturing components are subject to and exempt from the requirements of 40CFR 63 Subpart FFFF while other production equipment which produces phenol/formaldehyde resins is subject to and exempt from requirements of 40CFR 63 Subpart OOO. Additionally provisions and exemptions are applicable for 6NYCRR Part 212.

This emission unit currently contains the following processes:

Process #12: A/P MACT (Subpart OOO)

Process #13: MON- Resin Manufacturing (Subpart FFFF)

Process #42: Non-NESHAP regulated

Building(s): BLD11
BLD2
BLD3
BLD36
BLD39
BLD6
BLD8
BLD9
NUMBLDG

Condition 68: Renewal deadlines for state facility permits
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable State Requirement:6 NYCRR 201-5.2 (c)

Item 68.1:
The owner or operator of a facility having an issued state facility permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Condition 69: Compliance Demonstration
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable State Requirement:6 NYCRR 201-5.3 (c)

Item 69.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 69.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 4
1130 N. Westcott Rd.
Schenectady, NY 12306

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 70: Visible Emissions Limited
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable State Requirement:6 NYCRR 211.2

Item 70.1:
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

****** Emission Unit Level ******

Condition 71: Emission Point Definition By Emission Unit
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 71.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-00006

Emission Point: 00008
Height (ft.): 37 Diameter (in.): 12
NYTMN (km.): 4745.739 NYTME (km.): 579.625 Building: BLD8

Emission Point: 00009
Height (ft.): 14 Diameter (in.): 12
NYTMN (km.): 4745.731 NYTME (km.): 579.625 Building: BLD9

Emission Point: 00011
Height (ft.): 47 Diameter (in.): 16
NYTMN (km.): 4745.724 NYTME (km.): 579.625 Building: BLD9

Emission Point: 00016
Height (ft.): 34 Diameter (in.): 12
NYTMN (km.): 4745.739 NYTME (km.): 579.632 Building: BLD6

Emission Point: 00023
Height (ft.): 41 Diameter (in.): 18
NYTMN (km.): 4745.735 NYTME (km.): 579.632 Building: BLD3

Emission Point: 00024
Height (ft.): 34 Diameter (in.): 6
NYTMN (km.): 4745.728 NYTME (km.): 579.632 Building: BLD3

Emission Point: 00025
Height (ft.): 22 Diameter (in.): 4
NYTMN (km.): 4745.723 NYTME (km.): 579.633 Building: BLD3

Emission Point: 00026
Height (ft.): 25 Diameter (in.): 6
NYTMN (km.): 4745.715 NYTME (km.): 579.632 Building: BLD3

Emission Point: 00111
Height (ft.): 42 Diameter (in.): 16
NYTMN (km.): 4745.727 NYTME (km.): 579.642 Building: BLD9

Emission Point: 00112
Height (ft.): 42 Diameter (in.): 8
NYTMN (km.): 4745.721 NYTME (km.): 579.642 Building: BLD9

Emission Point: 00113
Height (ft.): 43 Diameter (in.): 3
NYTMN (km.): 4745.717 NYTME (km.): 579.64 Building: BLD8

Emission Point: 00115
Height (ft.): 42 Diameter (in.): 18
NYTMN (km.): 4745.739 NYTME (km.): 579.649 Building: BLD6

Emission Point: 00132
Height (ft.): 37 Diameter (in.): 24
NYTMN (km.): 4745.715 NYTME (km.): 579.649 Building: BLD8

Emission Point: 00133
Height (ft.): 37 Diameter (in.): 12
NYTMN (km.): 4745.747 NYTME (km.): 579.658 Building: BLD8

Emission Point: 00137
Height (ft.): 60 Diameter (in.): 24
NYTMN (km.): 4745.723 NYTME (km.): 579.657 Building: BLD39

Emission Point: 00138
Height (ft.): 25 Diameter (in.): 12
NYTMN (km.): 4745.717 NYTME (km.): 579.658 Building: BLD39

Emission Point: 00160
Height (ft.): 31 Diameter (in.): 20
NYTMN (km.): 4745.716 NYTME (km.): 579.664 Building: BLD36

Emission Point: 00176
Height (ft.): 43 Diameter (in.): 8
NYTMN (km.): 4745.728 NYTME (km.): 579.673 Building: BLD9

Emission Point: 00177
Height (ft.): 34 Diameter (in.): 3
NYTMN (km.): 4745.722 NYTME (km.): 579.672 Building: BLD9

Emission Point: 00179
Height (ft.): 24 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD9

Emission Point: 00201
Height (ft.): 21 Diameter (in.): 6
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD6

Emission Point: 00208
Height (ft.): 10 Diameter (in.): 5
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD6

Emission Point: 00209
Height (ft.): 30 Diameter (in.): 2
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD6

Emission Point: 00221
Height (ft.): 12 Diameter (in.): 12
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD9

Emission Point: 00351
Height (ft.): 30 Diameter (in.): 2
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD39

Emission Point: 00360
Height (ft.): 25 Diameter (in.): 6
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39

Emission Point: 00396
Height (ft.): 46 Diameter (in.): 6
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD6

Emission Point: 00413
Height (ft.): 42 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39

Emission Point: 00419
Height (ft.): 42 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39

Emission Point: 00428
Height (ft.): 53 Diameter (in.): 13
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39

Emission Point: 00438
Height (ft.): 25 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD6

Emission Point: 00439
Height (ft.): 6 Diameter (in.): 24
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD36

Emission Point: 00446
Height (ft.): 58 Diameter (in.): 8
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD9

Emission Point: 00456
Height (ft.): 15 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD39

Emission Point: 00464
Height (ft.): 42 Diameter (in.): 2
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD6

Emission Point: 00470
Height (ft.): 18 Diameter (in.): 22
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD39

Emission Point: 00471
Height (ft.): 18 Diameter (in.): 18
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD39

Emission Point: 00527
Height (ft.): 27 Diameter (in.): 10
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD11

Emission Point: 00705
Height (ft.): 8 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD9

Emission Point: 00732
Height (ft.): 30 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD36

Emission Point: 00733
Height (ft.): 31 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD36

Emission Point: 00734
Height (ft.): 31 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD36

Emission Point: 00748
Height (ft.): 31 Diameter (in.): 8
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD36

Emission Point: 00749
Height (ft.): 0 Diameter (in.): 1
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD36

Emission Point: 00757
Height (ft.): 0 Diameter (in.): 4
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD6

Emission Point: 00758
Height (ft.): 31 Diameter (in.): 1
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39

Emission Point: 00801
Height (ft.): 71 Diameter (in.): 31
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD2

Emission Point: 00815
Height (ft.): 31 Diameter (in.): 6
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39

Emission Point: 00816
Height (ft.): 35 Diameter (in.): 6
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39

Emission Point: 00817
Height (ft.): 33 Diameter (in.): 6
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39

Emission Point: 00829
Height (ft.): 25 Diameter (in.): 20
NYTMN (km.): 4745.721 NYTME (km.): 579.733 Building: BLD39

Emission Point: 00830
Height (ft.): 25 Diameter (in.): 20
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD39

Condition 72: Process Definition By Emission Unit
Effective between the dates of 07/20/2015 and 07/19/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 72.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00006
Process: 012 Source Classification Code: 3-01-018-05
Process Description:
Resin manufacturing - Phenol/Formaldehyde
resinmanufacturing and associated equipment.

A/P MACT Subject to 40 CFR 63 Subpart OOO.

Emission Source/Control: 39CAS - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 636T0 - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: 6BT0D - Control
Control Type: FABRIC FILTER

Emission Source/Control: C006D - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: PP01D - Control
Control Type: FABRIC FILTER

Emission Source/Control: PP02D - Control
Control Type: FABRIC FILTER

Emission Source/Control: PP03D - Control
Control Type: FABRIC FILTER

Emission Source/Control: PP04D - Control
Control Type: FABRIC FILTER

Emission Source/Control: SB01D - Control
Control Type: FABRIC FILTER

Emission Source/Control: SB02D - Control
Control Type: FABRIC FILTER

Emission Source/Control: SB03D - Control

Control Type: FABRIC FILTER

Emission Source/Control: SB03S - Control
Control Type: WET SCRUBBER

Emission Source/Control: SB04D - Control
Control Type: FABRIC FILTER

Emission Source/Control: SBP2S - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: T16AC - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T17AC - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 6BT00 - Process

Emission Source/Control: C0006 - Process

Emission Source/Control: CP002 - Process

Emission Source/Control: H0006 - Process

Emission Source/Control: LUWVP - Process

Emission Source/Control: M0009 - Process

Emission Source/Control: M0010 - Process

Emission Source/Control: M0011 - Process

Emission Source/Control: M0012 - Process

Emission Source/Control: M0016 - Process

Emission Source/Control: M0017 - Process

Emission Source/Control: PP000 - Process

Emission Source/Control: R0006 - Process

Emission Source/Control: SB001 - Process

Emission Source/Control: SB002 - Process

Emission Source/Control: SB003 - Process

Emission Source/Control: SB004 - Process

Emission Source/Control: SB005 - Process

Emission Source/Control: T0101 - Process

Emission Source/Control: T016A - Process

Emission Source/Control: T017A - Process

Emission Source/Control: TF013 - Process

Emission Source/Control: TFE19 - Process

Emission Source/Control: VPM16 - Process

Emission Source/Control: VPM17 - Process

Emission Source/Control: W0001 - Process

Emission Source/Control: W0002 - Process

Emission Source/Control: W0003 - Process

Emission Source/Control: W0004 - Process

Emission Source/Control: W0006 - Process

Emission Source/Control: W0007 - Process

Emission Source/Control: W0008 - Process

Item 72.2:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00006
Process: 013 Source Classification Code: 3-01-018-05
Process Description:
Resin manufacturing - Batch Alkylphenol Manufacturing.

MON (Subpart FFFF) Resin Manufacturing

Emission Source/Control: 636T0 - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: M182S - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: M0001 - Process

Emission Source/Control: M0004 - Process

Emission Source/Control: M0008 - Process

Emission Source/Control: M0015 - Process

Emission Source/Control: M15FB - Process

Emission Source/Control: M15VB - Process

Emission Source/Control: R0013 - Process

Emission Source/Control: TT001 - Process

Emission Source/Control: TT004 - Process

Item 72.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00006
Process: 042 Source Classification Code: 3-01-018-05
Process Description: Resin Manufacturing Non-NESHAP regulated

Emission Source/Control: 39BTO - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: 39CAS - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: M007C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: M018C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: M019C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: M020C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: M182S - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: M0007 - Process

Emission Source/Control: M0018 - Process

Emission Source/Control: M0019 - Process

Emission Source/Control: M0020 - Process

Emission Source/Control: R0015 - Process

Emission Source/Control: TT001 - Process

Emission Source/Control: VPM18 - Process