PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-4228-00056/00469
Mod 0 Effective Date: 06/17/2016 Expiration Date: 05/31/2021

Mod 1 Effective Date: 06/17/2016 Expiration Date: 05/31/2021

Mod 2 Effective Date: 08/16/2018 Expiration Date: 05/31/2021

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 modification of the Title V permit incorporates the existing State Facilty Permit for construction of the RTO into a complete Title V permit For SI Group Rotterdam Junction. This permit also modifies an operation monitoring condition for the falking belt control system.

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: NANCY M BAKER
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
Facility Inspection by the Department
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Relationship of this Permit to Other Department Orders and Determinations
Applications for permit renewals, modifications and transfers
Applications for permit renewals, modifications and transfers
Applications for permit renewals, modifications and transfers
Permit modifications, suspensions or revocations by the Department
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 ******
For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1-1.1:
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 1-1.2:
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 1-1.3:
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 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 1-2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 1-2.1:
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 1-3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 1-3.1:
The permittee must submit a renewal application at least 180 days before expiration of permits for both Title V and State Facility Permits.

Item 1-3.3:
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 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:
The permittee must submit a renewal application at least 180 days before expiration of permits for both Title V and 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 2-1: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 2-1.1:
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.

Item2-1.2:
The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and State Facility Permits.

Item 2-1.3
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 1-4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 1-4.1:
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.

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 - TITLE V 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

Mod 0 Permit Effective Date: 06/17/2016 Permit Expiration Date: 05/31/2021

Mod 1 Permit Effective Date: 06/17/2016 Permit Expiration Date: 05/31/2021

Mod 2 Permit Effective Date: 08/16/2018 Permit Expiration Date: 05/31/2021

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level

1 6 NYCRR 200.6: Acceptable Ambient Air Quality
2 6 NYCRR 201-6.4 (a) (7): Fees
3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
6 6 NYCRR 201-6.4 (e): Compliance Certification
7 6 NYCRR 202-2.1: Compliance Certification
8 6 NYCRR 202-2.5: Recordkeeping requirements
9 6 NYCRR 215.2: Open Fires - Prohibitions
10 6 NYCRR 200.7: Maintenance of Equipment
11 6 NYCRR 201-1.7: Recycling and Salvage
12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
2-1 6 NYCRR 201-6.4 (a) (8): Right to Inspect
16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
18 6 NYCRR 202-1.1: Required Emissions Tests
19 40 CFR Part 68: Accidental release provisions.
20 40CFR 82, Subpart F: Recycling and Emissions Reduction
21 6 NYCRR Subpart 201-6: Emission Unit Definition
22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
23 6 NYCRR 201-6.4 (f): Compliance Certification
*2-2 6 NYCRR Subpart 201-7: Capping Monitoring Condition
25 6 NYCRR Part 207: Submittal of Episode Action Plans
26 6 NYCRR 211.1: Air pollution prohibited
27 6 NYCRR 212-3.1 (a) (2): RACT applicability for facilities located outside Lower Orange Co and NYC Metro area
28 6 NYCRR 212-3.1 (b): Saving provision for the initial VOC/NOX Ract plan
29 6 NYCRR 212.3 (a): Emissions from existing sources
30 6 NYCRR 212.3 (b): Compliance Certification
31 6 NYCRR 212.4 (a): Emissions from new emission sources and/or modifications
32 6 NYCRR 212.4 (b): Emissions from new emission sources and/or modifications not specified by Table 2
33 6 NYCRR 212.4 (c): Compliance Certification
34 6 NYCRR 212.6 (a): Compliance Certification
35 6 NYCRR 212.6 (a): Compliance Certification
36 6 NYCRR 212.10 (a) (2): Applicability - located outside Lower Orange County and NYC Metro
37 6 NYCRR 212.10 (c) (1): RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

38 6 NYCRR 212.10 (c) (4) (i): Compliance Certification
39 6 NYCRR 212.11 (a): Sampling and Monitoring
40 6 NYCRR 225-1.2: Compliance Certification
41 6 NYCRR 225-2.5 (a): Permitting requirements.
42 6 NYCRR 225-2.6 (c): Sale of waste fuel prohibitions.
43 6 NYCRR 225-2.6 (d): Purchase of waste fuel prohibitions.
44 6 NYCRR 225-2.7 (d): Availability of records for Department inspection.
45 6 NYCRR 225-2.7 (e): Sampling and analysis requirements.
46 6 NYCRR 227-1.6 (a): Compliance Certification
47 6 NYCRR 227-1.6 (b): Corrective action.
48 6 NYCRR 227-1.6 (c): Corrective action.
49 6 NYCRR 227-1.6 (d): Corrective action.
50 6 NYCRR 229.1 (d) (2) (vii): Compliance Certification
51 6 NYCRR 229.1 (d) (2) (viii): Compliance Certification
52 6 NYCRR 229.3 (e) (2) (iv): Compliance Certification
53 6 NYCRR 229.3 (e) (2) (v): Compliance Certification
54 6 NYCRR 229.5 (d): Compliance Certification
55 6 NYCRR 236.3 (a): Control requirements - monitoring
56 6 NYCRR 236.3 (c): Additional component standards
57 6 NYCRR 236.4 (a): Repair requirements
58 6 NYCRR 236.4 (b): Repairing leaking components
59 6 NYCRR 236.4 (c): Repair requirements - delay of repair
60 6 NYCRR 236.4 (d): Repairs during process unit shutdown
61 6 NYCRR 236.5: Develop leak detection and repair plan - Part 236.5(a)
62 6 NYCRR 236.5: Implement leak detection and repair plan - part 236.5(b)
63 6 NYCRR 236.5: Inspection log requirements - Part 236.5(d)
64 6 NYCRR 236.5: Quarterly reports - Part 236.5(e)
65 6 NYCRR 236.5: Record information in a log book - Part 236.5(c)
66 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions
67 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Certification
68 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification
69 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Certification
70 40CFR 60.110b(a), NSPS Subpart Kb: Applicability of VOC tanks constructed after July 23, 1984
71 40CFR 60.110b(b), NSPS Subpart Kb: Applicability of tanks with capacity less than 75 cubic meters
72 40CFR 60.116b(a), NSPS Subpart Kb: Compliance Certification
73 40CFR 60.116b(b), NSPS Subpart Kb: Compliance Certification
74 40CFR 63, Subpart A: General Provisions
75 40CFR 63.4, Subpart A: Prohibited activities and circumvention
76 40CFR 63.104(a)(1), Subpart F: Exemption from monitoring of heat exchange system - pressurizing coolant water
77 40CFR 63.123(a), Subpart G: Compliance Certification
78 40CFR 63.152(d)(1), Subpart G: Compliance Certification
79 40CFR 63.162(c), Subpart H: General standards - identification of equipment
80 40CFR 63.162(f), Subpart H: General standards - Detection of leaks in pumps, connectors, closed vent systems and control devices, agitators, and compressors
81 40CFR 63.163, Subpart H: Pumps in light liquid service - exemptions
82 40CFR 63.165, Subpart H: Pressure relief devices in gas/vapor service - exemptions

83 40CFR 63.166, Subpart H: Sampling connection system standards
84 40CFR 63.167(a), Subpart H: Open-ended valves or lines standards
85 40CFR 63.167(b), Subpart H: Compliance Certification
86 40CFR 63.167(c), Subpart H: Standards for open-ended valves and double block and bleed system
87 40CFR 63.167(d), Subpart H: Standards for open-ended valves/lines during emergency shutdown
88 40CFR 63.167(e), Subpart H: Open-ended valves or lines - exemption
89 40CFR 63.168, Subpart H: Compliance Certification
90 40CFR 63.169, Subpart H: Compliance Certification
91 40CFR 63.171(a), Subpart H: Delay of repair - general
92 40CFR 63.171(b), Subpart H: Delay of repair for isolated equipment
93 40CFR 63.171(c), Subpart H: Delay of repair - valves, connectors and agitators
94 40CFR 63.171(d), Subpart H: Delay of repair - pumps
95 40CFR 63.171(e), Subpart H: Delay of repair beyond process unit shutdown
96 40CFR 63.181(a), Subpart H: General recordkeeping requirements
97 40CFR 63.181(b), Subpart H: Compliance Certification
98 40CFR 63.181(c), Subpart H: Compliance Certification
99 40CFR 63.181(d), Subpart H: Compliance Certification
100 40CFR 63.181(e), Subpart H: Compliance Certification
101 40CFR 63.181(f), Subpart H: Compliance Certification
102 40CFR 63.181(g), Subpart H: Compliance Certification
103 40CFR 63.181(h), Subpart H: Compliance Certification
104 40CFR 63.181(i), Subpart H: Compliance Certification
105 40CFR 63.181(j), Subpart H: Compliance Certification
106 40CFR 63.181(k), Subpart H: Compliance Certification
107 40CFR 63.182(a), Subpart H: Reporting standards - general
108 40CFR 63.182(b), Subpart H: Compliance Certification
109 40CFR 63.182(d), Subpart H: Reporting requirements - periodic reports
110 40CFR 63.982(c), Subpart SS: Compliance Certification
111 40CFR 63.998, Subpart SS: Compliance Certification
112 40CFR 63.999, Subpart SS: Reporting requirements
113 40CFR 63.1019, Subpart UU: Equipment Leaks
114 40CFR 63.1021, Subpart UU: Equipment leaks - Alt. means of emission lmitation (Facility level)
115 40CFR 63.1022, Subpart UU: Compliance Certification
116 40CFR 63.1023, Subpart UU: Instrument and Sensory Monitoring For Leaks
117 40CFR 63.1024, Subpart UU: Compliance Certification
118 40CFR 63.1025, Subpart UU: Valves in gas/vapor service and in light liquid service
119 40CFR 63.1026, Subpart UU: Compliance Certification
120 40CFR 63.1027, Subpart UU: Compliance Certification
121 40CFR 63.1028, Subpart UU: Compliance Certification
122 40CFR 63.1029, Subpart UU: Compliance Certification
123 40CFR 63.1030, Subpart UU: Compliance Certification
124 40CFR 63.1031, Subpart UU: Compliance Certification
125 40CFR 63.1032, Subpart UU: Compliance Certification
126 40CFR 63.1033, Subpart UU: Compliance Certification
127 40CFR 63.1034, Subpart UU: Compliance Certification
128 40CFR 63.1035, Subpart UU: Compliance Certification
129 40CFR 63.1036, Subpart UU: Compliance Certification

130 40CFR 63.1037, Subpart UU: Compliance Certification
131 40CFR 63.1038, Subpart UU: Compliance Certification
132 40CFR 63.1039, Subpart UU: Reporting requirements
133 40CFR 63.2480, Subpart FFFF: Compliance Certification
134 40CFR 63.2490, Subpart FFFF: Heat exchanger requirements
2-3 40CFR 63.1415(b)(5), Subpart OOO: Compliance Certification
135 40CFR 63.6640(f), Subpart ZZZZ: Compliance Certification

Emission Unit Level

136 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
137 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
138 6 NYCRR Subpart 201-7: Process Permissible Emissions

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*139 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*140 6 NYCRR Subpart 201-7: Capping Monitoring Condition
141 6 NYCRR 227-1.3 (a): Compliance Certification
142 40CFR 63, Subpart DDDDD: Compliance Certification
143 40CFR 63.6590(b)(3), Subpart ZZZZ: Engines that are exempt from Subpart ZZZZ

EU=0-00001,Proc=002

144 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
145 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
146 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability
147 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification
148 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.
149 40CFR 60.44c(h), NSPS Subpart Dc: Alternative compliance methods for sulfur dioxide.
150 40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide monitoring requirements.
151 40CFR 60.48c(e), NSPS Subpart Dc: Compliance Certification
152 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification

EU=0-00001,Proc=011,ES=BP300

153 6 NYCRR 227-1.3 (a): Compliance Certification

EU=0-00002,Proc=008

154 40CFR 63.102(a), Subpart F: Startup, shutdown, malfunction operational standards
155 40CFR 63.103(a), Subpart F: Applicability of General Provisions
156 40CFR 63.103(b)(1), Subpart F: Scheduling of initial performance tests
157 40CFR 63.103(b)(5), Subpart F: Waiver of performance test
158 40CFR 63.103(c)(1), Subpart F: Record retention
159 40CFR 63.103(c)(2), Subpart F: Compliance Certification
160 40CFR 63.103(d), Subpart F: Submittal of reports
161 40CFR 63.113(a)(3), Subpart G: Calculation of TRE
162 40CFR 63.113(e), Subpart G: Standards for group 2 process vents
163 40CFR 63.115(d), Subpart G: Compliance Certification
164 40CFR 63.115(d)(1), Subpart G: Compliance Certification
165 40CFR 63.117, Subpart G: Compliance Certification
166 40CFR 63.117(b), Subpart G: Compliance Certification

167 40CFR 63.118(c), Subpart G: Compliance Certification
168 40CFR 63.118(g), Subpart G: Compliance Certification
169 40CFR 63.118(h), Subpart G: Compliance Certification
2-4 40CFR 63.162(c), Subpart H: General standards - identification of equipment
170 40CFR 63.162(f), Subpart H: General standards - detection of leaks in valves

EU=0-00002,Proc=009
171 40CFR 60.660(c)(4), NSPS Subpart NNN: Exemption if TRE is greater than 8.0
172 40CFR 60.662(c), NSPS Subpart NNN: Standards for facility with TRE>1
173 40CFR 60.663(e), NSPS Subpart NNN: Compliance Certification
174 40CFR 60.664(f), NSPS Subpart NNN: Compliance Certification
175 40CFR 60.665(g)(2), NSPS Subpart NNN: Compliance Certification
176 40CFR 60.665(h)(1), NSPS Subpart NNN: Compliance Certification
177 40CFR 60.665(h)(2), NSPS Subpart NNN: Compliance Certification
178 40CFR 60.665(l), NSPS Subpart NNN: Compliance Certification
179 40CFR 60.665(l), NSPS Subpart NNN: Compliance Certification
180 40CFR 60.705(r), NSPS Subpart RRR: Compliance Certification

EU=0-00002,Proc=010
181 40CFR 63.2450(g), Subpart FFFF: Compliance Certification
182 40CFR 63.2450(h), Subpart FFFF: Compliance Certification
183 40CFR 63.2450(j), Subpart FFFF: Compliance Certification
184 40CFR 63.2450(k), Subpart FFFF: Compliance Certification
185 40CFR 63.2450(l), Subpart FFFF: Startup, shutdown, malfunction requirements
186 40CFR 63.2450(p), Subpart FFFF: Compliance Certification
187 40CFR 63.2455(b), Subpart FFFF: Compliance Certification
188 40CFR 63.2470(a), Subpart FFFF: Compliance Certification
189 40CFR 63.2475, Subpart FFFF: Compliance Certification
190 40CFR 63.2495, Subpart FFFF: Compliance Certification
191 40CFR 63.2505, Subpart FFFF: Compliance Certification
192 40CFR 63.2515, Subpart FFFF: 2515(a) - General notifications
193 40CFR 63.2515, Subpart FFFF: 2515(c) - Notification of performance test
194 40CFR 63.2520, Subpart FFFF: Compliance Certification
195 40CFR 63.2525, Subpart FFFF: Compliance Certification
196 40CFR 63.2535(a), Subpart FFFF: Compliance Certification
197 40CFR 63.2535(b), Subpart FFFF: Compliance Certification
198 40CFR 63.2535(c), Subpart FFFF: Compliance Certification
199 40CFR 63.2535(h), Subpart FFFF: Compliance Certification

EU=0-00002,Proc=044
200 6 NYCRR 212-3.1 (c) (4) (i): Capture and Control Requirements
201 6 NYCRR 229.1 (d) (2) (x): New sources built after 3/1/93
202 6 NYCRR 229.5 (d): Compliance Certification

EU=0-00004,Proc=014
203 40CFR 63.1400, Subpart OOO: Amino-Phenolic resins
204 40CFR 63.1403, Subpart OOO: General emission standards
205 40CFR 63.1404, Subpart OOO: Compliance Certification

206 40CFR 63.1410, Subpart OOO: Amino/Phenolic MACT Equipment Leaks (Capture and Control Options)

EU=0-00004,Proc=015

2-5 40CFR 63.162(c), Subpart H: General standards - identification of equipment
207 40CFR 63.2470(a), Subpart FFFF: Compliance Certification

EU=0-00006,Proc=012

208 40CFR 63.1400(i), Subpart OOO: Compliance Certification
209 40CFR 63.1400(j), Subpart OOO: Compliance Certification
210 40CFR 63.1400(k), Subpart OOO: Compliance Certification
211 40CFR 63.1401, Subpart OOO: Compliance Certification
212 40CFR 63.1403(a), Subpart OOO: Compliance Certification
213 40CFR 63.1403(c), Subpart OOO: Compliance Certification
214 40CFR 63.1406(b), Subpart OOO: Compliance Certification
215 40CFR 63.1407(b), Subpart OOO: Compliance Certification
216 40CFR 63.1408(b), Subpart OOO: Compliance Certification
217 40CFR 63.1408(b)(1), Subpart OOO: Compliance Certification
218 40CFR 63.1410, Subpart OOO: Amino/Phenolic MACT Equipment Leaks (Capture and Control Options)
219 40CFR 63.1412, Subpart OOO: Compliance Certification
220 40CFR 63.1414, Subpart OOO: Summary of test methods
221 40CFR 63.1415, Subpart OOO: Compliance Certification
222 40CFR 63.1415(a), Subpart OOO: Compliance Certification
223 40CFR 63.1415(d), Subpart OOO: Compliance Certification
224 40CFR 63.1416, Subpart OOO: Compliance Certification
225 40CFR 63.1416(b), Subpart OOO: Compliance Certification
226 40CFR 63.1416(c), Subpart OOO: Compliance Certification
227 40CFR 63.1416(d), Subpart OOO: Compliance Certification
228 40CFR 63.1416(e), Subpart OOO: Compliance Certification
229 40CFR 63.1416(f), Subpart OOO: Compliance Certification
230 40CFR 63.1416(g), Subpart OOO: Compliance Certification
231 40CFR 63.1417, Subpart OOO: Compliance Certification
232 40CFR 63.1417(d), Subpart OOO: Compliance Certification
233 40CFR 63.1417(e), Subpart OOO: Compliance Certification
234 40CFR 63.1417(f), Subpart OOO: Compliance Certification
235 40CFR 63.1417(g), Subpart OOO: Compliance Certification
236 40CFR 63.1417(h), Subpart OOO: Compliance Certification
237 40CFR 63.1417(j), Subpart OOO: Compliance Certification
238 40CFR 63.1417(k), Subpart OOO: Compliance Certification

EU=0-00006,Proc=013

2-8 40CFR 63.162(c), Subpart H: General standards - identification of equipment
240 40CFR 63.996, Subpart SS: Compliance Certification
241 40CFR 63.997, Subpart SS: Compliance Certification
242 40CFR 63.2450(g), Subpart FFFF: Compliance Certification
243 40CFR 63.2450(h), Subpart FFFF: Compliance Certification
244 40CFR 63.2450(j), Subpart FFFF: Compliance Certification
245 40CFR 63.2450(k), Subpart FFFF: Compliance Certification
246 40CFR 63.2450(p), Subpart FFFF: Compliance Certification

247 40CFR 63.2460, Subpart FFFF: Compliance Certification
248 40CFR 63.2475, Subpart FFFF: Compliance Certification
249 40CFR 63.2495, Subpart FFFF: Compliance Certification
250 40CFR 63.2500, Subpart FFFF: Compliance Certification
251 40CFR 63.2505, Subpart FFFF: Compliance Certification
252 40CFR 63.2515, Subpart FFFF: Compliance Certification
253 40CFR 63.2520, Subpart FFFF: Compliance Certification
254 40CFR 63.2525, Subpart FFFF: Compliance Certification
255 40CFR 63.2535(a), Subpart FFFF: Compliance Certification
256 40CFR 63.2535(b), Subpart FFFF: Compliance Certification
257 40CFR 63.2540, Subpart FFFF: General provisions of subpart A

EU=0-00006,Proc=013,ES=636T0
258 40CFR 63.2450(c)(2), Subpart FFFF: Compliance Certification

EU=0-00006,Proc=042,ES=SB001
259 6 NYCRR 212.3 (b): Compliance Certification

EU=0-00006,Proc=042,ES=SB003
260 6 NYCRR 212.3 (b): Compliance Certification

EU=0-00006,Proc=042,ES=SB03S
2-6 6 NYCRR 212-2.4 (b): Compliance Certification
2-7 6 NYCRR 212-2.4 (b): Compliance Certification
262 6 NYCRR 212.3 (b): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level
263 ECL 19-0301: Contaminant List
264 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
265 6 NYCRR 211.2: Visible Emissions Limited

NOTE: * preceding the condition number indicates capping.

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: **Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item B: **Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**
Owners and/or operators of facilities having an issued Title V 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.

Item C: **Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item D: **Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item E: **Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and

reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item F: **Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: **Property Rights - 6 NYCRR 201-6.4 (a) (6)**

This permit does not convey any property rights of any sort or any exclusive privilege.

Item H: **Severability - 6 NYCRR 201-6.4 (a) (9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item I: **Permit Shield - 6 NYCRR 201-6.4 (g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V

facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR 201-6.4 (i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit

is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item K: **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 L: **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.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: **Acceptable Ambient Air Quality**
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:
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.

Condition 2: **Fees**
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: **Recordkeeping and Reporting of Compliance Monitoring**
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)

Item 3.1:
The following information must be included in any required compliance monitoring records and reports:

(i) The date, place, and time of sampling or measurements;

(ii) The date(s) analyses were performed;

(iii)The company or entity that performed the analyses;

(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

Condition 4: **Records of Monitoring, Sampling, and Measurement**
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)

Item 4.1:
Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all

reports required by the permit.

Condition 5: **Compliance Certification**
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (3) (ii)

Item 5.1:
The Compliance Certification activity will be performed for the Facility.

Item 5.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements,

the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual

report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 6: **Compliance Certification**
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (e)

Item 6.1:
The Compliance Certification activity will be performed for the Facility.

Item 6.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

i. Compliance certifications shall contain:
- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as

specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 4 Headquarters
1130 North Westcott Road
Schenectady, NY 12306-2014

The address for the BQA is as follows:

NYSDEC

Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:
(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:
Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2
Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:
(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
(d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
(i) Prescribed burns performed according to Part 194 of this Title.
(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS

SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:
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.

Condition 11: Recycling and Salvage
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:
Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:
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.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:
The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:
The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 15: Requirement to Provide Information
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 15.1:
The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 2-1: Right to Inspect
Effective between the dates of 08/16/2018 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 2-1.1:
The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 16: Right to Inspect
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 16.1:
The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Off Permit Changes
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)

Item 17.1:
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests

Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 19: Accidental release provisions.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:
If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 21: Emission Unit Definition
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1(From Mod 2):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-00001
Emission Unit Description:
Consists of 3 existing boilers and 7 process heaters.
The 3 boilers [B0100 (50mmBTU/hr), B0200 (50 mmBTU/hr) & B0500(85.9 mmBTU/hr)) fire natural gas as a primary fuel and #2 fuel oil as an alternate fuel. B0100 and B0200 were installed pre 1974.
Boiler 5 has a burner/boiler combination (registered on the NYSDEC listing of approved low NOx burner/boiler combinations dated 5/27/98) Natural gas is the primary fuel, the unit can also use #2 fuel oil.

The 7 process heaters only use natural gas as a fuel.

BP300 is equipped with a low NOx burner.

Current processes for this emission unit are:

Process #1: Boiler #5- natural gas
Process #2: Boiler #5- fuel oil
Process #3: Boilers 1 & 2- natural gas
Process #4: Boilers 1 & 2- fuel oil
Process #11: P-300 Boiler- natural gas
Process #46: Boiler NESHAP (Subpart DDDDD)

Building(s): NUMBLDG

Item 21.2(From Mod 2):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-00002
Emission Unit Description:
This unit consists of a number of processes which manufacture alkylphenols in a continuous process mode and is composed of storage tanks and a manufacturing area.

Manufacturing- currently this emission unit is divided into the following processes:

Process #8: 40CFR63 Subpart F & G- HON regulated (currently octylphenol & nonylphenol manufacture)

Process #9: 40CFR60 Subpart NNN & RRR regulated

(currently nonylphenol manufacture)

Process #10: 40CFR63 Subpart FFFF- MON (P-300) regulated (currently butylphenol & heptylphenol manufacture)

Process #44: Non-NESHAP regulated (6NYCRR Parts 212 & 229)

Building(s): NUMBLDG

Item 21.3(From Mod 2):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-00004
Emission Unit Description:
This unit is comprised of storage tanks for raw materials, intermediates and products for the resin manufacturing operations.
Currently this emission unit is divided into the following processes:

Process #14: Subpart OOO (A/P MACT)

Process #15: Subpart FFFF (MON)

Process #43: Polymer Division tanks – non-NESHAP regulated

Building(s): NUMBLDG

Item 21.4(From Mod 2):
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. Standard operating procedures for each specific product are maintained and available on site.
Currently this emission unit is divided into the following processes:

Process #12: Subpart OOO (A/P MACT)

Process #13: Subpart FFFF (MON-Resin Manufacturing)

Process #42: Non-NESHAP regulated

Building(s): NUMBLDG

Item 21.5(From Mod 0):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-00003
Emission Unit Description:
Emission unit #3 consists of storage tanks which are subject to the applicable and exempt provisions under 40 CFR 60 Subpart Kb as well as 6NYCRR Parts 212 and 229.

Currently the emission unit contains the following process:

Processs #49: Liquid waste tanks

Building(s): BLD9
LWI TF
NUMBLDG
P300 PAD

Item 21.6(From Mod 0):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-00005
Emission Unit Description:
This unit is composed of an industrial wastewater treatment plant, tanks and associated support equipment.

The emission unit currently contains the following process:

Process #16: Wastewater treatment

Building(s): BLD20
BLD37
BLD38
NUMBLDG
WASTETK

Item 21.7(From Mod 0):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-00007
Emission Unit Description:
This unit is composed of equipment used for product development and research & development activities.

Currently the emission unit contains the following process:

Processs #30: Pilot Plant

Building(s): BLD1

BLD34
BLD35
BLD42
NUMBLDG

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 22.1:
Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 23: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (f)

Item 23.1:
The Compliance Certification activity will be performed for the Facility.

Item 23.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Operational Flexibility Plan/Protocol

The objective of this condition is to maximize operational flexibility at the facility by building into the Title V permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.4(f)(2), changes made under an approved protocol are not subject to Title V modification provisions under 6 NYCRR Part 201-6.6.

The facility's manufacturing of alkylphenols and resins occurs across multiple chemical groups and related processes which are confidential and proprietary. The related processes have been designated by the facility as Processes A through L and have been identified to the Department. To ensure it can respond to dynamic needs of its customers, the facility must be able to add or

substitute chemicals into one or more of Processes A through L within a short period of time. Provided that the requirements of this Operational Flexibility Plan/Protocol are followed, such additions and/or substitutions (changes) may be made without the approval of the Department.

1. The facility shall evaluate changes under this Plan/Protocol in accordance with the following criteria:

a. All underlying federal and state regulations and requirements with which the change must comply must exist in the Title V permit, and the change must not cause the facility to become subject to any additional regulations or requirements.

b. The change must not cause the facility emissions to exceed any emission limitation or other condition in the Title V permit.

c. The change must not seek to establish or modify a federally-enforceable emissions cap or limit.

2. The facility shall provide the Department with 30 days advance written notice of the proposed change identifying the Title V permit emission unit, process(es), emission sources and emission units affected.

3. The written notification shall include a description of the proposed change, including identification of the process(es) (i.e., Process A, B, C, etc.) in which the change is proposed to be made, the identification of the chemical involved in the change (together with any claim of confidentiality), an estimate of emissions for the chemical(s) associated with the change, and describe the anticipated duration of such change.

4. If the Department determines that the proposed change will require a permit modification at any time after the op-flex plan is submitted, it shall notify the permittee in writing together with the reasons for such determination. After the period discussed in paragraph 2 has occurred the facility may commence with it's plan without future penalty from the Department. Although permit modification may still be required within a reasonable time frame required by the Department, and permittee may continue to implement/operate the change until a permit modification is issued, as long as no emission limits or standards are or have been exceeded.

5. The facility shall provide with its semi-annual monitoring report, a summary of the changes made in accordance with this Protocol/Plan and a statement of the compliance status of each.

6. The facility will maintain process descriptions at the facility and will make them available to the Department upon request.

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

Condition 2-2: Capping Monitoring Condition
Effective between the dates of 08/16/2018 and 05/31/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 2-2.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6
6 NYCRR Subpart 227-2

Item 2-2.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 2-2.3:
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.

Item 2-2.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 2-2.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 2-2.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 2-2.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The NOx (Oxides of Nitrogen) emissions are capped at 95 tons per year.

The owner or operator shall maintain a record of the quantity of each fuel fired at the facility. Also, the owner or operator shall calculate (based on the fuel quantities) using the following formula:

D1(0.02) + D2(.013) + G1 (140) + G2(81) + E(0.44) < 199,200 lbs/yr of Oxides of Nitrogen emissions.

Where:
D1 = 12 month rolling total of distillate oil fired (emission sources B0100; B0200) in gals/yr
D2 = 12 month rolling total of distillate oil fired (emission source B0500) in gals/yr
G1 = 12 month rolling total of natural gas fired (from emission sources B0100; B0200; OR001; OR002; OR003; OR004; B0039; BP300; 636RTO; 939RTO) in MMSCF/yr
G2 = 12 month rolling total of natural gas fired (from emission source B0500)
E = 12 month rolling total of diesel fuel fired (from emergency generator) in gals/yr

Process Material: FUEL CONSUMPTION
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 95 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 12 calendar month(s).

Condition 25: Submittal of Episode Action Plans
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR Part 207

Item 25.1:
An episode action plan must be submitted for approval by the Department in accordance with the requirements of 6NYCRR Part 207. The plan shall contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan when an air pollution episode is in effect.

Condition 26: Air pollution prohibited
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 211.1

Item 26.1:
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.

Condition 27: RACT applicability for facilities located outside Lower Orange Co and NYC Metro area
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212-3.1 (a) (2)

Item 27.1:
Owners and/or operators of facilities located outside of the Lower Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, and Woodbury and New York City metropolitan area with an annual potential to emit of 100 tons or more of NOx or 50 tons or more of VOCs must comply with the requirements of this section.

Condition 28: Saving provision for the initial VOC/NOX Ract plan
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212-3.1 (b)

Item 28.1:

Owners and/or operators of emission points subject to this Part that emit NOx or VOCs located at facilities described in Subdivision (a) of this Section must submit a compliance plan to the department by October 20, 1994. The compliance plan must either include the RACT analysis required by Subdivision (c) of this Section or a plan to limit the annual potential to emit below the applicability levels pursuant to Subdivision (d) of this Section.

These provisions are maintained based on 212-1.1(b)

Any emission limitation or other requirements in effect prior to the effective date of this Part shall remain in effect until issuance of a modified permit or registration or renewal of the permit or registration.

Condition 29: Emissions from existing sources
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.3 (a)

Item 29.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000003
Process: 049

Emission Unit: 000004
Process: 043

Emission Unit: 000005
Process: 016

Emission Unit: 000006
Process: 042

Emission Unit: 000007
Process: 030

Item 29.2:
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 30: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.3 (b)

Item 30.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 044

Emission Unit: 0-00003

Process: 049

Emission Unit: 0-00004
Process: 043

Emission Unit: 0-00005
Process: 016

Emission Unit: 0-00006
Process: 042

Emission Unit: 0-00007
Process: 030

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 30.2:
Compliance Certification 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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Emissions from new emission sources and/or modifications
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 31.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000003
Process: 049

Emission Unit: 000004
Process: 043

Emission Unit: 000005
Process: 016

Emission Unit: 000006
Process: 042

Emission Unit: 000007
Process: 030

Item 31.2:
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.

Condition 32: Emissions from new emission sources and/or modifications not specified by Table 2
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 32.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000003
Process: 049

Emission Unit: 000004
Process: 043

Emission Unit: 000005
Process: 016

Emission Unit: 000006
Process: 042

Emission Unit: 000007
Process: 030

Item 32.2: 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 33: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 33.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 044

Emission Unit: 0-00003
Process: 049

Emission Unit: 0-00004
Process: 043

Emission Unit: 0-00005
Process: 016

Emission Unit: 0-00006
Process: 042

Emission Unit: 0-00007

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 33.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 34: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 34.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 044

Emission Unit: 0-00003
Process: 049

Emission Unit: 0-00004
Process: 043

Emission Unit: 0-00005
Process: 016

Emission Unit: 0-00006
Process: 042

Emission Unit: 0-00007

Item 34.2:
Compliance Certification 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 facility owner/operator shall conduct a visible emissions observation (determining the presence or absence of visible emissions) of all emission points and/or emission sources once per day while the process is operating, during daylight hours, except during conditions of extreme weather (fog, snow, rain). If any visible emissions are noted, corrective action may be required.

If any visible emissions (except the emission of uncombined water) are observed for three consecutive operating days from the same emission point and/or emission source, the facility owner/operator will notify the Department of the observations within one business day. The facility owner/operator will also perform a Method 9 analysis of the affected emission point and submit the results to the Department.

Daily records of observations are to be maintained, including corrective actions taken and explanations for days when weather conditions are prohibitive, on-site for a period of five years.

The Department reserves the right to perform or require

the performance of a Method 9 opacity evaluation.

Monitoring Frequency: DAILY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 35: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 35.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 044

Emission Unit: 0-00003
Process: 049

Emission Unit: 0-00004
Process: 043

Emission Unit: 0-00005
Process: 016

Emission Unit: 0-00006
Process: 042

Emission Unit: 0-00007

Item 35.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
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. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions whenever a process is in operation. If any visible emissions are identified, corrective action is required. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Applicability - located outside Lower Orange County and NYC Metro
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.10 (a) (2)

Item 36.1:
This Condition applies to:

Emission Unit: 000003
Process: 049

Emission Unit: 000004
Process: 043

Emission Unit: 000005

Emission Unit: 000006
Process: 042

Item 36.2:
Owners and/or operators of facilities located outside of the lower Orange County and New York City metropolitan areas with an annual potential to emit of 100 tons or more of nitrogen oxides or 50 tons or more of volatile organic compounds must comply with the requirements of section 212.10-Reasonably Available Control Technology for major facilities.

Condition 37: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.10 (c) (1)

Item 37.1:
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 38: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.10 (c) (4) (i)

Item 38.1:
The Compliance Certification activity will be performed for the Facility.

Item 38.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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.
The RACT analysis shall be available upon request.

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

Condition 39: Sampling and Monitoring
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.11 (a)

Item 39.1:
The owner and/or operator of this facility, if required by the department to conduct stack testing to demonstrate compliance with 6 NYCRR Part 212, must comply with notification requirements and conduct capture efficiency and/or stack testing using acceptable procedures pursuant to 6 NYCRR Part 202.

Condition 40: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 225-1.2

Item 40.1:
The Compliance Certification activity will be performed for the Facility.

Item 40.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014 and are limited to the firing of distillate oil including number two heating oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016.

The department will require fuel analyses, information on the quantity of fuel received, fired or sold, and results of stack sampling, stack monitoring, and other procedures to ensure compliance with the provisions of this Subpart. All records must be maintained at the facility for a minimum of five years.

Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedances takes place.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 41: Permitting requirements.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 225-2.5 (a)

Item 41.1:
Except as provided in subdivision (b) of this section, no person may initiate construction of a new emission source, or modification, or operate an air contamination source in which waste fuel is to be burned until all applicable provisions of this Subpart have been met and the necessary permits to construct and/or certificates to operate may have been issued in accordance with Part 201 of this Title.

Condition 42: Sale of waste fuel prohibitions.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 225-2.6 (c)

Item 42.1: No person may sell, offer for sale, deliver or exchange in trade any waste fuel except to a facility meeting the applicable requirements of this Subpart and the regulations promulgated pursuant to article 27, titles7 and 9 and article 23, title 23 of ECL or to a transporter

of waste fuel who is permitted under 6 NYCRR Part 364.

Condition 43: Purchase of waste fuel prohibitions.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 225-2.6 (d)

Item 43.1: No owner or operator of a facility proposing to burn waste fuel or transporter of waste fuel may purchase, accept delivery, pick up or accept in trade any waste fuel unless the facility is receiving or proposing to burn waste fuel that that meets the applicable requirements of this Subpart and the regulations promulgated pursuant to article 27, titles 7 and 9 and article 23, title 23 of the ECL and the transporter of the waste fuel is permitted under 6 NYCRR Part 364.

Condition 44: Availability of records for Department inspection.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 225-2.7 (d)

Item 44.1:
Any person required to maintain and retain records pursuant to this section must make such records available for inspection by the commissioner or his representative during normal business hours. Such person(s) must furnish copies of such records to the commissioner or his representative upon request.

Condition 45: Sampling and analysis requirements.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 225-2.7 (e)

Item 45.1:
Sampling and analysis of waste fuel samples must be carried out in accordance with methods acceptable to the commissioner.

Condition 46: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 227-1.6 (a)

Item 46.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00001

Item 46.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Any person found to have violated any provision of this
Part shall not cause, permit or allow operation of the

stationary combustion installation involved in the violation unless:

(1) it is equipped with approved emission control equipment;

(2) it is rehabilitated or upgraded in an approved manner; or

(3) the fuel is changed to an acceptable type.

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

Condition 47: Corrective action.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 227-1.6 (b)

Item 47.1:
This Condition applies to:

Emission Unit: 000001

Item 47.2:
The commissioner may seal such stationary combustion installation so as to prevent any operation if the conditions of paragraphs 6 NYCRR Part 227-1.6(a)(1)-(3) are not met within the time provided by the order of final determination issued in the case of the violation.

Condition 48: Corrective action.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 227-1.6 (c)

Item 48.1:
This Condition applies to:

Emission Unit: 000001

Item 48.2:
No person shall cause, permit, or allow the operation of any affected stationary combustion installation sealed by the commissioner in accordance with this section.

Condition 49: Corrective action.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 227-1.6 (d)

Item 49.1:
This Condition applies to:

Emission Unit: 000001

Item 49.2:
No person except the commissioner or his representative shall remove, tamper with, or destroy any seal affixed to any affected stationary combustion installation.

Condition 50: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 229.1 (d) (2) (vii)

Item 50.1:
The Compliance Certification activity will be performed for the Facility.

Item 50.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
any volatile organic liquid storage tank with a capacity greater than 10,000 gallons but less than 20,000 gallons located at a facility with annual potential to emit volatile organic compounds from all sources regardless of process type, but excluding combustion installations, of 50 tons or greater must meet the requirements of the compliance schedule in subdivision (g) of this section and the control requirements of section 229.3(e)(2)(iv) of this Part;

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

Condition 51: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 229.1 (d) (2) (viii)

Item 51.1:
The Compliance Certification activity will be performed for the Facility.

Item 51.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
any volatile organic liquid storage tank with a capacity less than 10,000 gallons located at a facility with an

annual potential to emit volatile organic compounds from all sources regardless of process type, but excluding combustion installations, of 50 tons or more must meet the requirements of the compliance schedule in subdivision (g) of this section and the control requirements of section 229.3(e)(2)(v) of this Part;

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

Condition 52: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 229.3 (e) (2) (iv)

Item 52.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008 Emission Source: F0403

Emission Unit: 0-00002
Process: 008 Emission Source: F0405

Emission Unit: 0-00002
Process: 008 Emission Source: F0406

Emission Unit: 0-00002
Process: 008 Emission Source: F0407

Emission Unit: 0-00002
Process: 008 Emission Source: F0408

Emission Unit: 0-00002
Process: 008 Emission Source: F0409

Emission Unit: 0-00002
Process: 008 Emission Source: F0416

Emission Unit: 0-00002
Process: 010 Emission Source: F0404

Emission Unit: 0-00002
Process: 010 Emission Source: F0423

Emission Unit: 0-00002
Process: 044

Emission Unit: 0-00004
Process: 043 Emission Source: T0154

Emission Unit: 0-00004
Process: 043 Emission Source: T0156

Emission Unit: 0-00004
Process: 043 Emission Source: T0208

Emission Unit: 0-00004
Process: 043 Emission Source: T0230

Emission Unit: 0-00004
Process: 043 Emission Source: T0231

Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Storage tanks subject to this requirement, with a capacity greater than or equal to 10,000 gallons but less than 20,000 gallons must be equipped with submerged fill. The permittee shall visually inspect the submerged fill line on an annual basis to ensure proper operation. Inspection records must be maintained on site for a period of 5 years. Records shall contain the date(s) of all inspections, inspection findings and a listing of all equipment repairs or replacements.

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 229.3 (e) (2) (v)

Item 53.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 044 Emission Source: F0422

Emission Unit: 0-00002
Process: 044 Emission Source: F0423

Emission Unit: 0-00003
Process: 049 Emission Source: F0424

Emission Unit: 0-00003
Process: 049 Emission Source: T0228

Emission Unit: 0-00004
Process: 043 Emission Source: T0097

Item 53.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Storage tanks subject to this requirement, with a capacity of less than 10,000 gallons must be equipped with a conservation vent. The permittee shall visually inspect the conservation vent on an annual basis to ensure proper operation. Inspection records must be maintained on site for a period of 5 years. Records shall contain the date(s) of all inspections, inspection findings and a listing of all equipment repairs or replacements.

Monitoring Frequency: ANNUALLY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 54: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 229.5 (d)

Item 54.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 044

Emission Unit: 0-00003
Process: 049

Emission Unit: 0-00004
Process: 043

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 54.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a volatile organic liquid storage tank that is subject to 6NYCRR Part 229 must maintain a record of the capacity (in gallons) of the

volatile organic liquid storage tank at the facility.

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

Condition 55: Control requirements - monitoring
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.3 (a)

Item 55.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006
Process: 042

Item 55.2:
Any owner of operator of a synthetic organic chemical manufacturing facility must monitor each of the following process unit components for leaks, on a quarterly schedule:

(1) each pump in light liquid service;

(2) each compressor in gas/vapor service;

(3) each valve in light liquid service; and

(4) each valve in gas/vapor service.

Condition 56: Additional component standards
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.3 (c)

Item 56.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006

Process: 042

Item 56.2:
Any owner or operator of a synthetic organic chemical manufacturing facility must also comply with the following component standards:

(1) Pumps in light liquid service must be visually inspected each calendar week for evidence of liquids dripping. Any leaks detected during visual inspection must be repaired in accordance with Part 236.4.

(2) Pressure relief devices in gas/vapor service must be monitored for leaks within 5 days of an over-pressure release. Any leaks detected during monitoring must be repaired in accordance with Part 236.4.

(3) Open-ended valves or lines in gas/vapor or light liquid service must be sealed with either a second valve, blind flange, cap, or plug. The sealing device may only be removed while a sample is being taken or during maintenance operations.

(i) When a second valve is used, each open-ended line or valve equipped with a second valve shall be operated in such a manner that the valve on the process fluid end is closed before the second valve is closed.

(ii) When a double block-and-bleed system is used, the bleed valve or line may remain open only during operations that require venting of the line between the block valves, but shall be closed at all other times.

Condition 57: Repair requirements
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.4 (a)

Item 57.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006
Process: 042

Item 57.2:
Any owner or operator of a synthetic organic chemical manufacturing facility shall repair leaking components in accordance with this section.

Condition 58: Repairing leaking components
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.4 (b)

Item 58.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006
Process: 042

Item 58.2:
Once a leaking component is identified, any owner or operator subject to this Part must:

(1) affix a weather proof and readily visible tag to the leaking component bearing an identification number and the date the leak was detected. This tag must not be removed until the component is repaired and passes reinspection.

(2) make an initial attempt to repair the leaking component within 5 days;

(3) repair the leaking component as soon as practicable, but not later than 15 calendar days after the leak is detected; and

(4) remonitor all leaking components within 48 hours after repairs have been completed.

Condition 59: Repair requirements - delay of repair
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.4 (c)

Item 59.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006
Process: 042

Item 59.2:
Delay of repair of components as described in Part 236.4(b) will be allowed by the department provided an initial attempt to repair is made after which a decision is made by a duly authorized representative of the facility that replacement parts necessary to complete the repair are not available in time, or that repair of the leaking component is technically infeasible without a

process unit shutdown. Repair of such a component must be completed during the next process unit shutdown and before subsequent start-up.

Condition 60: Repairs during process unit shutdown
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.4 (d)

Item 60.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006
Process: 042

Item 60.2:
DEC may require the rescheduling of a planned process unit shutdown to an earlier date based on the number and severity of tagged leaks awaiting repair at shutdown. Before requiring a rescheduled shutdown, DEC shall consider the effect of the shutdown and shall so direct the source owner in writing to comply with the rescheduled shutdown. The source owner shall comply with DEC's directive, or shall request that a directed rescheduling of a planned process unit shutdown be reconsidered according to the procedures in this subdivision.

Condition 61: Develop leak detection and repair plan - Part 236.5(a)
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.5

Item 61.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006
Process: 042

Item 61.2:
The owner or operator of a synthetic organic chemical manufacturing facility subject to this Part must develop and conduct a leak detection and repair plan consistent with the provisions of this Part.

Condition 62: Implement leak detection and repair plan - part 236.5(b)
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.5

Item 62.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006
Process: 042

Item 62.2:
The owner or operator of a synthetic organic chemical manufacturing facility subject to this Part must have implemented a leak detection and repair plan by July 10, 1992. The plan must contain, as a minimum, a list of process components subject to the provisions, of this Part, a copy of the log book format, and the make and model of the monitoring equipment to be used.

Condition 63: Inspection log requirements - Part 236.5(d)
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.5

Item 63.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006
Process: 042

Item 63.2:
A copy of the inspection log must be retained at the plant for a minimum of two years after the date on which the report for the inspection period was prepared, and must be made available to DEC upon request.

Condition 64: Quarterly reports - Part 236.5(e)
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.5

Item 64.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006
Process: 042

Item 64.2:
As of July 10, 1992, the owner or operator of a synthetic organic chemical manufacturing facility shall submit quarterly reports to DEC for the preceding quarterly monitoring period. These reports must be submitted within 15 days from the close of the quarter and shall contain the information listed in Part 236.5(e).

Condition 65: Record information in a log book - Part 236.5(c)
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 236.5

Item 65.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000004
Process: 043

Emission Unit: 000006
Process: 042

Item 65.2:
The owner or operator of a synthetic chemical manufacturing facility subject to this part must record the information listed in Part 236.5(c) in an inspection log for each leaking compound found.

Condition 66: Applicability of Subpart A General Provisions
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 66.1:
This Condition applies to:

Emission Unit: 000001

Process: 001

Emission Unit: 000001
Process: 002

Emission Unit: 000002
Process: 008

Emission Unit: 000002
Process: 009

Emission Unit: 000002
Process: 010

Emission Unit: 000002
Process: 044

Emission Unit: 000003
Process: 049

Emission Unit: 000004
Process: 043

Item 66.2:
This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 67: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.48c(d), NSPS Subpart Dc

Item 67.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00001
Process: 001

Emission Unit: 0-00001
Process: 002

Item 67.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of each affected facility subject to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit semi-annual reports to the Administrator.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 68: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.48c(g), NSPS Subpart Dc

Item 68.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00001
Process: 001

Emission Unit: 0-00001
Process: 002

Emission Unit: 0-00001
Process: 011 Emission Source: BP300

Item 68.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 69: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.48c(i), NSPS Subpart Dc

Item 69.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00001
Process: 001

Emission Unit: 0-00001
Process: 002

Emission Unit: 0-00001
Process: 011

Item 69.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 70: Applicability of VOC tanks constructed after July 23, 1984
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.110b(a), NSPS Subpart Kb

Item 70.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000003
Process: 049

Emission Unit: 000004
Process: 043

Item 70.2: Except as provided in paragraphs (b), (c), and (d) of this section, the affected facility to which this subpart applies is each storage vessel with a capacity greater than or equal to 40 cubic meters that is used to store volatile organic liquids for which construction, reconstruction, or modification is commenced after July 23, 1984.

Condition 71: Applicability of tanks with capacity less than 75 cubic meters
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.110b(b), NSPS Subpart Kb

Item 71.1:
This Condition applies to:

Emission Unit: 000002

Process: 044

Emission Unit: 000003
Process: 049

Emission Unit: 000004
Process: 043

Item 71.2: Except as specified in paragraphs (a) and (b) of § 60.116b, storage vessels with design capacity less than 75 cubic meters are exempt from the General Provisions (part 60, subpart A) and from the provisions of this subpart.

Condition 72: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.116b(a), NSPS Subpart Kb

Item 72.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00002
Process: 009

Emission Unit: 0-00002
Process: 010

Emission Unit: 0-00002
Process: 044

Emission Unit: 0-00003
Process: 049

Emission Unit: 0-00004
Process: 043

Item 72.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years. The record required by paragraph (b) of this section will be kept for the life of the source. Note: Title V requires these records to be maintained for five (5)

years.

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

Condition 73: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.116b(b), NSPS Subpart Kb

Item 73.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00002
Process: 009

Emission Unit: 0-00002
Process: 010

Emission Unit: 0-00002
Process: 044

Emission Unit: 0-00003
Process: 049

Emission Unit: 0-00004
Process: 043

Item 73.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept on site for the life of the storage vessel.

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

Condition 74: General Provisions
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63, Subpart A

Item 74.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000002
Process: 010

Emission Unit: 000006
Process: 012

Emission Unit: 000006
Process: 013

Item 74.2:
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 75: Prohibited activities and circumvention
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.4, Subpart A

Item 75.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Item 75.2:
No owner or operator subject to the 40 CFR Part 63, NESHAP provisions must operate any affected source in violation of the requirements of this part. Affected sources subject to and in compliance with either an extension of compliance or an exemption from compliance are not in violation of the requirements of this part. An extension of compliance can be granted by the Administrator under this part; by a State with an approved permit program; or by the President under section 112(i)(4) of the Act.
No owner or operator subject to the provisions of this part shall fail to keep records, notify, report, or revise reports as required under this part.
No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to—
(1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere;
(2) The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions; and
Finally, fragmentation after November 15, 1990 which divides ownership of an operation, within the same facility among various owners where there is no real change in control, will not affect

applicability. The owner and operator must not use fragmentation or phasing of reconstruction activities (i.e., intentionally dividing reconstruction into multiple parts for purposes of avoiding new source requirements) to avoid becoming subject to new source requirements.

Condition 76: Exemption from monitoring of heat exchange system - pressurizing coolant water
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.104(a)(1), Subpart F

Item 76.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Item 76.2: If 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, the owner/operator is not required to monitor the heat exchange system as required in §63.104(b) or (c).

Condition 77: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.123(a), Subpart G

Item 77.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

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

Item 77.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each owner/operator of a group 1 or group 2 storage vessel shall keep readily accessible records showing the capacity of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains group 1 or group 2

status and is in operation. Each group 2 storage vessel is not required to comply with any other provisions of §§63.119 through §§63.123.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 78: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.152(d)(1), Subpart G

Item 78.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00006
Process: 013

Item 78.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Reports of start-up, shutdown, and malfunction required by §63.10(d)(5). These reports may be submitted on the same schedule as the periodic reports as required under §63.152(c) as opposed to the schedule listed in §63.10(d)(5).

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 79: General standards - identification of equipment
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.162(c), Subpart H

Item 79.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 79.2: Each piece of equipment to which Subpart H applies shall be identified such that it can be distinguished readily from equipment that is not subject to Subpart H. This does not require physical tagging, but may be identified on a plant site plan, log entries, or by designation of process unit boundaries by some form of weatherproof identification.

Condition 80: General standards - Detection of leaks in pumps, connectors, closed vent systems and control devices, agitators, and compressors
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.162(f), Subpart H

Item 80.1: When a leak is detected as specified in 40CFR63.163, 164, 169, 172, 173, and 174, a weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment. The identification which has been placed on equipment determined to have a leak, except for a connector that is subject to the provisions of 40CFR63.174(c)(1)(i), may be removed after it is repaired.

Condition 81: Pumps in light liquid service - exemptions
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.163, Subpart H

Item 81.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 81.2:

When using a control device to comply with this subpart, the facility must monitor continuously or collect data at all required intervals at all times that the emission source and control device are in Organic Liquid
Distribution (OLD) operation, except for CMS malfunctions (including any malfunction preventing the CMS from operating properly), associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during CMS malfunctions, associated repairs, required quality assurance or control activities, or periods when emissions from organic liquids are not routed to the control device in data averages and calculations used to report emission or operating levels. Do not use such data in fulfilling a minimum data availability requirement, if applicable. You must use all of the data collected during all other periods, including periods of SSM, in assessing the operation of the control device.

Condition 82: Pressure relief devices in gas/vapor service - exemptions
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.165, Subpart H

Item 82.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 82.2:
Any pressure relief device that is routed to a process or fuel gas system or equipped with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in § 63.172 of this subpart is exempt from the requirements of paragraphs (a) and (b) of this section.

Any pressure relief device that is equipped with a rupture disk upstream of the pressure relief device is exempt from the requirements of paragraphs (a) and (b) of this section, provided the owner or operator
complies with the following requirements:

After each pressure release, a rupture disk shall be installed upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in § 63.171 of this subpart.

Condition 83: Sampling connection system standards
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.166, Subpart H

Item 83.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 83.2:
(a) Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in §63.162(b) of this subpart. Gases displaced during filling of the sample container are not required to be collected or captured.

(b) Each closed-purge, closed-loop, or closed-vent system as required in paragraph (a) of this section shall:

(1) Return the purged process fluid directly to the process line; or
(2) Collect and recycle the purged process fluid to a process; or
(3) Be designed and operated to capture and transport the purged process fluid to a control device that complies with the requirements of §63.172 of this subpart; or
(4) Collect, store, and transport the purged process fluid to a system or facility identified in paragraph (b)(4)(i), (ii), or (iii) of this section.
(i) A waste management unit as defined in §63.111 of subpart G of this part, if the waste management unit is subject to, and operated in compliance with the provisions of subpart G of this part applicable to group 1 wastewater streams. If the purged process fluid does not contain any organic HAP listed in Table 9 of subpart G of part 63, the waste management unit need not be subject to, and operated in compliance with the requirements of 40 CFR part 63, subpart G applicable to group 1 wastewater streams provided the facility has an NPDES permit or sends the wastewater to an NPDES permitted facility.
(ii) A treatment, storage, or disposal facility subject to regulation under 40 CFR part 262, 264, 265, or 266; or
(iii) A facility permitted, licensed, or registered by a State to manage municipal or industrial solid waste, if the process fluids are not hazardous waste as defined in 40 CFR part 261.

(c) In-situ sampling systems and sampling systems without purges are exempt from the requirements of
paragraphs (a) and (b) of this section.

Condition 84: Open-ended valves or lines standards
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.167(a), Subpart H

Item 84.1:

This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 84.2:
(1) Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in § 63.162(b) of this subpart and paragraphs (d) and (e) of this section.

(2) The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair.

Condition 85: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.167(b), Subpart H

Item 85.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 85.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 86: Standards for open-ended valves and double block and bleed system
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.167(c), Subpart H

Item 86.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 86.2: When a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with §63.167(a) at all other times.

Condition 87: Standards for open-ended valves/lines during emergency shutdown
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.167(d), Subpart H

Item 87.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 87.2: Open-ended valves and lines in an emergency shutdown system which are designed to open automatically in the event of a process upset are exempt from the requirements of §63.167(a), (b), and (c).

Condition 88: Open-ended valves or lines - exemption
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.167(e), Subpart H

Item 88.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 88.2: Open-ended valves or lines containing materials which would autocatalytically polymerize or, would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system as specified in paragraphs (a) through (c) of this section are exempt from the requirements of paragraph (a) through (c) of this section.

Condition 89: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.168, Subpart H

Item 89.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 89.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owner/operator shall monitor all valves in gas/vapor service and light liquid service using the method specified in 40CFR63.180(b). All existing process units are in Phase III of the standard. New sources subject to Subpart F or I must comply with Phase II requirements upon initial start-up. They must comply with Phase III requirements beginning no later than 1 year after initial start-up.

In Phases II and III, an instrument reading of 500 ppm or greater indicates a leak. In Phase II for new sources, each valve shall be monitored quarterly. In Phase III, the owner/operator shall monitor valves at the following intervals:

1) At process units with 2 percent or greater leaking valves, owner/operator shall monitor each valve once per month.

2) At process units with less than 2 percent leaking valves, owner/operator shall monitor each valve once per quarter.

3) At process units with less than 1 percent leaking valves, owner/operator shall monitor each valve once every 2 quarters.

4) At process units with less than 0.5 percent leaking valves, owner/operator shall monitor each valve once every 4 quarters.

Percent leaking valves shall be calculated as follows:

%Vl = (Vl/(Vt+Vc))*100

where:
%Vl = percent leaking valves as determined through periodic monitoring
Vl = number of valves found leaking excluding nonrepairables as provided in 40CFR63.168(e)(3)(i)
Vt = total valves monitored, in a monitoring period excluding valves monitored as required by 63.168(f)(3)
Vc = optional credit for removed valves = 0.67 x net number (total removed - total added) of valves in organic HAP service removed from process unit after the compliance date.

The percent leaking valves shall be calculated as a two-month rolling average for monthly, quarterly, or semiannual monitoring programs. The percent leaking

valves shall be calculated as an average of any three of four consecutive monitoring periods for annual monitoring programs.

Nonrepairable valves shall be included in the calculation of percent leaking valves the first time the valve is identified as leaking and nonrepairable. Otherwise, a number of nonrepairable valves (identified an included in the percent leaking calculation in a previous period) up to a maximum of 1 percent of the total number of valves in organic HAP service at a process unit may be excluded from calculation of percent leaking valves. If the number exceeds 1 percent nonrepairable, then the number exceeding 1 percent shall be counted.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: TOTAL HYDROCARBONS (THC)
Parameter Monitored: DAYS TO REPAIR
Upper Permit Limit: 5 days
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 90: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.169, Subpart H

Item 90.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 90.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

Pumps, valves, connectors, and agitators in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and instrumentation systems shall be monitored within 5 calendar days by the method specified in 40CFR63.180(b) if evidence of a potential leak is found by visual, audible, olfactory, or any other detection method. If such a potential leak is repaired as described below, it is not necessary to monitor the system for leaks by the method specified in §63.180(b).

If an instrument reading of 10,000 ppm or greater for agitators, 5,000 ppm or greater for pumps handling polymerizing monomers, 2,000 ppm or greater for all other pumps, or 500 ppm or greater for valves, connectors, instrumentation systems, and pressure relief devices is measured, a leak is detected.

When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after detection. The first attempt at repair shall be made no later than 5 calendar days after detection and shall include the practices listed in 40CFR63.163(c)(2) for pumps and 40CFR63.168(g) for valves.

In order to be exempt from the post-repair monitoring requirement in this condition, repaired shall mean that the visual, audible, olfactory, or other indications of a leak have been eliminated; that no bubbles are observed at potential leak sites during a leak check using soap solution; or that the system will hold a test pressure.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: TOTAL HYDROCARBONS (THC)
Parameter Monitored: DAYS TO REPAIR
Upper Permit Limit: 15 days
Reference Test Method: 40 CFR 63.180(b)
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 91: Delay of repair - general
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.171(a), Subpart H

Item 91.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 91.2:
Delay of repair of equipment for which leaks have been detected is allowed if the repair is technically infeasible without a process unit shutdown. Repair of this equipment shall occur by the end of the next process unit shutdown.

Condition 92: Delay of repair for isolated equipment
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.171(b), Subpart H

Item 92.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 92.2: Delay of repair of equipment for which leaks have been detected is allowed for equipment that is isolated from the process and that does not remain in organic HAP service.

Condition 93: Delay of repair - valves, connectors and agitators
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.171(c), Subpart H

Item 93.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 93.2: Delay of repair is allowed for valves, connectors, and agitators if it is determined that emissions of purged material resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair, and when repair procedures are effected, the purged material is collected and destroyed or recovered in a control device complying with 40CFR63.172.

Condition 94: Delay of repair - pumps
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.171(d), Subpart H

Item 94.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 94.2: Delay of repair is allowed for pumps if repair requires replacing the existing seal design with a new system that has been determined under the provisions of 40CFR63.176(d) will provide better performance or:

1) A dual mechanical seal system that meets the requirements of 40CFR63.163(e), or
2) A pump that meets the requirements of 40CFR63.163(f), or
3) A closed-vent system and control device that meets the requirements of 40CFR63.163(g); and

repair is completed as soon as practicable, but not later than 6 months after the leak was detected.

Condition 95: Delay of repair beyond process unit shutdown
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.171(e), Subpart H

Item 95.1:

This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 95.2: Delay of repair beyond a process unit shutdown will be allowed for a valve if valve assembly replacement is necessary during the process unit shutdown, valve assembly supplies have been depleted, and valve assembly supplies had been sufficiently stocked before the supplies were depleted. Delay of repair beyond the second process unit shutdown will not be allowed unless the third process unit shutdown occurs sooner than 6 months after the first process unit shutdown.

Condition 96: General recordkeeping requirements
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(a), Subpart H

Item 96.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 96.2:
An owner or operator of more than one process unit subject to the provisions of this subpart may comply with the recordkeeping requirements for these process units in one recordkeeping system if the system identifies each record by process unit and the program being implemented (e.g., quarterly monitoring, quality improvement) for each type of equipment. All records and information required by this section shall be maintained in a manner that can be readily accessed at the plant site. This could include physically locating the records at the plant site or accessing the records from a central location by computer at the plant site.

Condition 97: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(b), Subpart H

Item 97.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 97.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The following records shall be kept for each process unit subject to Subpart H:

1) A list of identification numbers for equipment (except for connectors exempt from monitoring and recordkeeping and for instrumentation systems). Connectors need not be identified individually if all connectors in a given length of pipe are identified as a group, and the number of connectors is indicated.

2) A schedule by process unit for monitoring connectors in gas/vapor or light liquid service and valves in gas/vapor or light liquid service.

3) A plant site map, log entries, or some identification for equipment that is in organic HAP service.

4) A list of identification numbers for equipment that is equipped with a closed-vent system and control device, under the provisions of 40CFR63.163(g), 164(h), 165(c), or 173(f).

5) A list of identification numbers for compressors that are designated as operating with an instrument reading of less than 500 ppm above background.

6) A list of identification numbers for pressure relief devices in gas/vapor service.

7) A list of identification numbers for pressure relief devices equipped with rupture disks.

8) Identification of instrumentation systems subject to leak detection and repair provisions.

9) Identification of screwed connectors subject to 40CFR63.174(c)(2). This can be by area or grouping as long as the total number within each group is recorded.

10) For each dual mechanical seal system, the design criteria required in 40CFR63.163(e)(6)(i), 164(e)(2), and 173(d)(6)(i), an explanation of the design criteria, and any changes to these criteria and reasons for the changes.

11) Identification of all equipment designated as unsafe to monitor, difficult to monitor, unsafe to inspect, and the plan for monitoring or inspecting this equipment.

12) A list of identification numbers for the equipment designated as difficult to monitor, an explanation of why the equipment is difficult to monitor, and the planned schedule for monitoring this equipment.

13) A list of identification numbers for connectors that are designated as unsafe to rep[air and an explanation why the connector is unsafe to repair.

14) A list of valves removed from and added to the process unit if used in the percent leaking valves calculation.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(c), Subpart H

Item 98.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 98.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For visual inspections of equipment that are done in order to comply with provisions in this subpart, the owner/operator shall document that the inspection was conducted and the date of the inspection. These records shall be kept for 2 years.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(d), Subpart H

Item 99.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 99.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
When each leak is detected as specified in 40CFR63.163, 164, 168, 169, 172, 173, and 174, the following information shall be recorded and kept for 2 years:

1) The instrument and the equipment identification number
2) The operator name, initials, or identification number
3) The date the leak was detected
4) The date of first attempt at repair
5) The date of successful repair of the leak.
6) Maximum instrument reading measured by Method 21 after it is successfully repaired or determined to be nonrepairable.
7) "Repair delayed" and the reason for the delay if a leak is not repaired within 15 calendar days. If the reason for the delay is because of depletion of stocked parts, there must be documentation that the spare parts were sufficiently stocked on-site before depletion and the reason for depletion.
8) Dates of process unit shutdowns that occur while the equipment is unrepaired.
9) Identification of connectors that have been opened or otherwise had the seal broken since the last monitoring period.
10) Copies of all periodic reports, if records are not maintained on a computerized database capable of generating summary reports from the records.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 100: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(e), Subpart H

Item 100.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a batch product process who elects to pressure test the batch product process equipment train to demonstrate compliance with Subpart H is exempt from the requirements of 40 CFR 63.181 paragraphs (b), (c), (d), and (f). Instead, the owner or operator shall maintain records of the following information:

(1) The identification of each product, or product code, produced during the calendar year. It is not necessary to identify individual items of equipment in a batch product process equipment train.

(2) Physical tagging of the equipment to identify that it is in organic HAP service and subject to the provisions of this subpart is not required. Equipment in a batch product process subject to the provisions of this subpart may be identified on a plant site plan, in log entries, or by other appropriate methods.

(4) The dates of each pressure test required in 40 CFR §63.178(b), the test pressure, and the pressure drop observed during the test.

(5) Records of any visible, audible, or olfactory evidence of fluid loss.

(6) When a batch product process equipment train does not pass two consecutive pressure tests, the following information shall be recorded in a log and kept for 2 years:

(i) The date of each pressure test and the date of each leak repair attempt.
(ii) Repair methods applied in each attempt to repair the leak.
(iii) The reason for the delay of repair.
(iv) The expected date for delivery of the replacement equipment and the actual date of delivery of the replacement equipment.
(v) The date of successful repair.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 101: Compliance Certification

Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(f), Subpart H

Item 101.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 101.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/operator shall keep the dates and results of each compliance test required for compressors and pressure relief devices in gas/vapor service which are subject to a monitoring threshold of 500 ppm above background concentration. The results shall include the background level measured during each compliance test and the maximum instrument reading measured at each piece of equipment during each compliance test.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 102: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(g), Subpart H

Item 102.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004

Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 102.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall maintain records of the information specified in this condition for closed-vent systems and control devices subject to the provisions of §63.172 of this subpart. The records specified in section 1 of this condition shall be retained for the life of the equipment. The records specified in sections 2 and 3 of this condition shall be retained for 2 years.

(1) The design specifications and performance demonstrations specified in (i) through (iv) of this section.
(i) Detailed schematics, design specifications of the control device, and piping and instrumentation diagrams.

(ii) The dates and descriptions of any changes in the design specifications.
(iii) The flare design (i.e., steam-assisted, air-assisted, or non-assisted) and the results of the compliance demonstration required by § 63.11(b) of subpart A of this part.
(iv) A description of the parameter or parameters monitored, as required in § 63.172(e) of this subpart, to ensure that control devices are operated and maintained in conformance with their design and an explanation of why that parameter (or parameters) was selected for the monitoring.

(2) Records of operation of closed-vent systems and control devices, as specified in (i) through (iii) of this section.
(i) Dates and durations when the closed-vent systems and control devices required in §§63.163 through 63.166, and §63.170 are not operated as designed as indicated by the monitored parameters, including periods when a flare pilot light system does not have a flame.
(ii) Dates and durations during which the monitoring system or monitoring device is inoperative.
(iii) Dates and durations of start-ups and shutdowns of control devices required in §§63.163 through 63.166,

and §63.170 of this subpart.

(3) Records of inspections of closed-vent systems subject to the provisions of §63.172 of this subpart, as specified in (i) and (ii) of this section.
(i) For each inspection conducted in accordance with the provisions of §63.172(f)(1) or (f)(2) of this subpart during which no leaks were detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected.
(ii) For each inspection conducted in accordance with the provisions of § 63.172(f)(1) or (f)(2) of this subpart during which leaks were detected, the information specified in paragraph (d) of this section shall be recorded.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 103: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(h), Subpart H

Item 103.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

Item 103.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each owner or operator of a process unit subject to the requirements of §§63.175 and 63.176 of this subpart shall maintain the records specified in paragraphs (h)(1) through (h)(9) of this section for the period of the quality improvement program for the process unit.

(1) For owners or operators who elect to use a reasonable

further progress quality improvement program, as specified in §63.175(d) of this subpart:

(i) All data required in §63.175(d)(2) of this subpart.

(ii) The percent leaking valves observed each quarter and the rolling average percent reduction observed in each quarter.

(iii) The beginning and ending dates while meeting the requirements of §63.175(d) of this subpart.

(2) For owners or operators who elect to use a quality improvement program of technology review and improvement, as specified in §63.175(e) of this subpart:

(i) All data required in §63.175(e)(2) of this subpart.

(ii) The percent leaking valves observed each quarter.

(iii) Documentation of all inspections conducted under the requirements of §63.175(e)(4) of this subpart, and any recommendations for design or specification changes to reduce leak frequency.

(iv) The beginning and ending dates while meeting the requirements of §63.175(e) of this subpart.

(3) For owners or operators subject to the requirements of the pump quality improvement program as specified in §63.176 of this subpart:

(i) All data required in §63.176(d)(2) of this subpart.

(ii) The rolling average percent leaking pumps.

(iii) Documentation of all inspections conducted under the requirements of §63.176(d)(4) of this subpart, and any recommendations for design or specification changes to reduce leak frequency.

(iv) The beginning and ending dates while meeting the requirements of §63.176(d) of this subpart.

(4) If a leak is not repaired within 15 calendar days after discovery of the leak, the reason for the delay and the expected date of successful repair.

(5) Records of all analyses required in §§63.175(e) and 63.176(d) of this subpart. The records will include the following:

(i) A list identifying areas associated with poorer than average performance and the associated service characteristics of the stream, the operating conditions and maintenance practices.

(ii) The reasons for rejecting specific candidate superior emission performing valve or pump technology from performance trials.

(iii) The list of candidate superior emission performing valve or pump technologies, and documentation of the performance trial program items required under §§63.175(e)(6)(iii) and 63.176(d)(6)(iii) of this subpart.

(iv) The beginning date and duration of performance trials of each candidate superior emission performing technology.

(6) All records documenting the quality assurance program for valves or pumps as specified in §§63.175(e)(7) and 63.176(d)(7) of this subpart.

(7) Records indicating that all valves or pumps replaced or modified during the period of the quality improvement program are in compliance with the quality assurance requirements in §63.175(e)(7) and §63.176(d)(7) of this subpart.

(8) Records documenting compliance with the 20 percent or greater annual replacement rate for pumps as specified in §63.176(d)(8) of this subpart.

(9) Information and data to show the corporation has fewer than 100 employees, including employees providing professional and technical contracted services.

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

Condition 104: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(i), Subpart H

Item 104.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 104.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/operator of equipment in heavy liquid service shall either:

1) Retain information, data, and analyses used to determine that a piece of equipment is in heavy liquid service; or

2) When requested, demonstrate that the piece of equipment or process is in heavy liquid service.

A determination or demonstration that a piece of equipment or process is in heavy liquid service shall include an analysis or demonstration that the process fluids do not meet the definition of "in light liquid service".

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 105: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(j), Subpart H

Item 105.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

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

Item 105.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/operator shall keep identification, either by list or location (area or group) or equipment in organic HAP service less than 300 hours per year within a process unit subject to the Subpart H.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 106: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.181(k), Subpart H

Item 106.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

Item 106.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Owners and operators choosing to comply with the requirements of §63.179 of this subpart shall maintain the following records:

(1) Identification of the process unit(s) and the organic

HAP's they handle.

(2) A schematic of the process unit, enclosure, and closed-vent system.

(3) A description of the system used to create a negative pressure in the enclosure to ensure that all emissions are routed to the control device.

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

Condition 107: Reporting standards - general
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.182(a), Subpart H

Item 107.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 107.2:
Each owner/operator shall submit the following reports:

1) An initial notification report
2) A Notification of Compliance Status report, and
3) Periodic reports

Condition 108: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.182(b), Subpart H

Item 108.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004

Process: 015

Emission Unit: 0-00006
Process: 013

Item 108.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner or operator of an existing or new source subject to the provisions of this subpart shall submit a written Initial Notification to the Administrator, containing the information described in paragraph (b)(1), according to the schedule in paragraph (b)(2) of this section. The Initial Notification provisions in §63.9(b)(1) through (b)(3) of subpart A of this part shall not apply to owners or operators of sources subject to this subpart.

(1) The Initial Notification shall include the following information:

(i) The name and address of the owner or operator;

(ii) The address (physical location) of the affected source;

(iii) An identification of the chemical manufacturing processes subject to this subpart; and

(iv) A statement of whether the source can achieve compliance by the applicable compliance date specified in the subpart in 40 CFR part 63 that references this subpart.

(2) The Initial Notification shall be submitted according to the schedule in paragraph (b)(2)(i), (b)(2)(ii), or (b)(2)(iii) of this section, as applicable.

(i) For an existing source, the Initial Notification shall be submitted within 120 days after the date of promulgation of the subpart that references this subpart.

(ii) For a new source that has an initial start-up 90 days after the date of promulgation of this subpart or later, the application for approval of construction or reconstruction required by §63.5(d) of subpart A of this part shall be submitted in lieu of the Initial Notification. The application shall be submitted as soon as practicable before the construction or reconstruction

is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references this subpart).

(iii) For a new source that has an initial start-up prior to 90 days after the date of promulgation of the applicable subpart, the Initial Notification shall be submitted within 90 days after the date of promulgation of the subpart that references this subpart.

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

Condition 109: Reporting requirements - periodic reports
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.182(d), Subpart H

Item 109.1:
This Condition applies to:

Emission Unit: 000002
Process: 008

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 013

Item 109.2: A periodic report shall be submitted semiannually starting six months after the Notification of Compliance Status report. The first report shall cover the previous six months after the compliance date and each subsequent report shall cover the six month period following the preceding period.

The periodic report shall include the following information:

1) For each process unit complying with the provisions of §§63.163 though 63.174, the following information for each monitoring period during the previous six-month period:

i) The number of valves for which leaks were detected, the percent leakers, and the total number of valves monitored,
ii) The number of valves for which leaks were not repaired, identifying the number of those that are determined nonrepairable,
iii) The number of pumps for which leaks were detected, the percent leakers, and the total number of pumps monitored,
iv) The number of pumps for which leaks were not repaired,
v) The number of compressors for which leaks were detected,

vi) The number of compressors for which leaks were not repaired,
vii) The number of agitators for which leaks were detected,
viii) The number of agitators for which leaks were not repaired,
ix) The number of connectors for which leaks were detected, the percent of connectors leaking, and the total number of connectors monitored,
x) The number of connectors for which leaks were not repaired, identifying the number of those that are determined nonrepairable,
xi) The facts that explain any delay of repairs and, where appropriate, why a process unit shutdown was technically infeasible, and
xii) The results of all monitoring to show compliance with the 500 ppm above background thresholds.
xiii) If it becomes applicable, the initiation of a monthly monitoring program under §63.168(d)(1)(i) or a quality improvement program under either §§63.175 or 63.176.
xiv) If it becomes applicable, notification of a change in connector monitoring alternatives as described in §63.174(c)(1).

2) For each process unit complying with the pressure testing option for batch processes in §63.178(b) the following information:
i) Batch product process equipment train identification;
ii) The number of pressure tests conducted;
iii) The number of pressure tests where the equipment train failed the pressure test; and
iv) The facts that explain any delay of repairs.

The periodic report shall also contain the information listed below for the Notification of Compliance Status for process units with later compliance dates and any revisions to items reported in earlier Notification of Compliance Status, if the method of compliance has changed since the last report.

1) For each process unit complying with the provisions of §§63.163 though 63.174:
i) Process unit identification;
ii) Number of each equipment type (e.g., valves, pumps) excluding equipment in vacuum service;
iii) Method of compliance with the standard (for example, "monthly leak detection and repair" or "equipped with dual mechanical seals")
iv) Planned schedule for each phase of the requirements in §§63.163 and 63.168.

2) For each process unit complying with the pressure testing option for batch processes in §63.178(b) the following information:
i) Batch products or product codes subject to the provisions of this subpart, and
ii) Planned schedule for pressure testing when equipment is configured for production of products subject to the provisions of 40CFR63 Subpart H.

Condition 110: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 110.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 110.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Closed vent system and nonflare control device. Owners or operators who control emissions through a closed vent system to a nonflare control device shall meet the requirements in §63.983 for closed vent systems, the applicable recordkeeping and reporting requirements of §§63.998 and 63.999, and the applicable requirements listed in paragraphs (c)(1) through (3) of this section.

(1) For storage vessels and low throughput transfer racks, the owner or operator shall meet the requirements in §63.985 for nonflare control devices and the monitoring, recordkeeping, and reporting requirements referenced therein. No other provisions of this subpart 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).

(2) For process vents and high throughput transfer racks, the owner or operator shall meet the requirements applicable to the control devices being used in §63.988, §63.990 or §63.995; the applicable general monitoring requirements of §63.996 and the applicable performance test requirements and procedures of §63.997; and the monitoring, recordkeeping and reporting requirements referenced therein. Owners or operators subject to halogen reduction device requirements under a referencing subpart must also comply with §63.994 and the monitoring, recordkeeping, and reporting requirements referenced therein. The requirements of §§63.984 through 63.986 do not apply to process vents or high throughput transfer racks.

(3) For equipment leaks, owners or operators shall meet the requirements in §63.986 for nonflare control devices used for equipment leak emissions and the monitoring,

recordkeeping, and reporting requirements referenced therein. No other provisions of this subpart apply to equipment leak emissions vented through a closed vent system to a nonflare control device.

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

Condition 111: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.998, Subpart SS

Item 111.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

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

Item 111.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 112: Reporting requirements
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.999, Subpart SS

Item 112.1:
This Condition applies to:

Emission Unit: 000004

Process: 014

Emission Unit: 000006
Process: 012

Emission Unit: 000006
Process: 013

Item 112.2:
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.

Condition 113: Equipment Leaks
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1019, Subpart UU

Item 113.1:
This Condition applies to:

Emission Unit: 000004
Process: 014

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 012

Emission Unit: 000006
Process: 013

Item 113.2:
This emission source is subject to the applicable provisions of 40 CFR 63 Subpart UU. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 114: Equipment leaks - Alt. means of emission lmitation
(Facility level)
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1021, Subpart UU

Item 114.1:
This Condition applies to:

Emission Unit: 000004
Process: 014

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 012

Emission Unit: 000006
Process: 013

Item 114.2:
(a) Performance standard exemption. The provisions of this condition do not apply to the performance standards of Sec. 63.1030(b) for pressure relief devices or Sec. 63.1031(f) for compressors operating under the alternative compressor standard.

(b) Requests by owners or operators. An owner or operator may request a determination of alternative means of emission limitation to the requirements of Secs. 63.1025 through 63.1034 as provided in paragraph 2(c) of this condition. If the Administrator makes a determination that a means of emission limitation is a permissible alternative, the owner or operator shall either

comply with the alternative or comply with the requirements of Secs. 63.1025 through 63.1034.

(c) Permission to use an alternative means of emission limitation. Permission to use an alternative means of emission limitation shall be governed by the procedures in paragraphs 2(c)(1) through (c)(4) of this condition.

(1) Where the standard is an equipment, design, or operational requirement, the requirements of paragraphs (c)(1)(i) through (c)(1)(iii) of this condition apply.

(i) Each owner or operator applying for permission to use an alternative means of emission limitation shall be responsible for collecting and verifying emission performance test data for an alternative means of emission limitation.

(ii) The Administrator will compare test data for the means of emission limitation to test data for the equipment, design, and operational requirements.

(iii) The Administrator may condition the permission on requirements that may be necessary to ensure operation and maintenance to achieve at least the same emission reduction as the equipment, design, and operational requirements of subpart UU.

(2) Where the standard is a work practice, the requirements of paragraphs (c)(2)(i) through (c)(2)(vi) of this section apply.

(i) Each owner or operator applying for permission to use an alternative means of emission limitation shall be responsible for collecting and verifying test data for the alternative.

(ii) For each kind of equipment for which permission is requested, the emission reduction achieved by the required work practices shall be demonstrated for a minimum period of 12 months.

(iii) For each kind of equipment for which permission is requested, the emission reduction achieved by the alternative means of emission limitation shall be demonstrated.

(iv) Each owner or operator applying for such permission shall commit, in writing, for each kind of equipment to work practices that provide for emission reductions equal to or greater than the emission
reductions achieved by the required work practices.

(v) The Administrator will compare the demonstrated emission reduction for the alternative means of emission limitation to the demonstrated emission reduction for the required work practices and will
consider the commitment in paragraph 2(c)(2)(iv) of this condition.

(vi) The Administrator may condition the permission on requirements that may be necessary to ensure operation and maintenance to achieve the same or greater emission reduction as the required work practices of subpart UU.

(3) An owner or operator may offer a unique approach to demonstrate the alternative means of emission limitation.

(4) If, in the judgement of the Administrator, an alternative means of emission limitation will be approved, the Administrator will publish a notice of the determination in the Federal Register using the
procedures specified in the referencing subpart.

Condition 115: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1022, Subpart UU

Item 115.1:
The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 115.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) General equipment identification. Equipment subject to subpart UU shall be identified. Identification of the equipment does not require physical tagging of the equipment. For example, the equipment may be identified on a plant site plan, in log entries, by designation of process unit or affected facility boundaries by some form of weatherproof identification, or by other appropriate methods.

(b) Additional equipment identification. In addition to the general identification required by paragraph (a) of this condition, equipment subject to any of the provisions in Secs. 63.1023 through 63.1034 shall be specifically identified as required in paragraphs (b)(1) through (b)(5) of this condition, as applicable. This paragraph does not apply to an owner or operator of a batch product process who elects to pressure test the batch product process equipment train pursuant to Sec. 63.1036.

(1) Connectors. Except for inaccessible, ceramic, or ceramic-lined connectors meeting the provision of Sec. 63.1027(e)(2) and instrumentation systems identified pursuant to paragraph (b)(4) of this condition, identify the connectors subject to the requirements of this subpart. Connectors need not be individually identified if all connectors in a designated area or length of pipe subject to the provisions of subpart UU are identified as a group, and the number of connectors subject is indicated. With respect to connectors, the identification shall be complete no later than the completion of the initial survey required by paragraph (a) of this condition.

(2) Routed to a process or fuel gas system or equipped with a closed vent system and control device. Identify the

equipment that the owner or operator elects to route to a process or fuel gas system or equip with a closed vent system and control device, under the provisions of Sec. 63.1026(e)(3) (pumps in light liquid service), Sec. 63.1028(e)(3) (agitators), Sec. 63.1030(d) (pressure relief devices in gas and vapor service), Sec. 63.1031(e) (compressors), or Sec. 63.1037(a) (alternative means of emission limitation for enclosed-vented process units).

(3) Pressure relief devices. Identify the pressure relief devices equipped with rupture disks, under the provisions of Sec. 63.1030(e).

(4) Instrumentation systems. Identify instrumentation systems subject to the provisions of Sec. 63.1029 of subpart UU. Individual components in an instrumentation system need not be identified.

(5) Equipment in service less than 300 hours per calendar year. The identity, either by list, location (area or group), or other method, of equipment in regulated material service less than 300 hours per calendar year within a process unit or affected facilities subject to the provisions of subpart UU shall be recorded.

(c) Special equipment designations: Equipment that is unsafe or difficult-to-monitor. (1) Designation and criteria for unsafe-to-monitor. Valves meeting the provisions of Sec. 63.1025(e)(1), pumps meeting the provisions of Sec. 63.1026(e)(6), connectors meeting the provisions of Sec. 63.1027(e)(1), and agitators meeting the provisions of Sec. 63.1028(e)(7) may be designated unsafe-to-monitor if the owner or operator determines that monitoring personnel would be exposed to an immediate danger as a consequence of complying with the monitoring requirements of subpart UU. Examples of unsafe-to-monitor equipment include, but is not limited to, equipment under extreme pressure or heat.

(2) Designation and criteria for difficult-to-monitor. Valves meeting the provisions of Sec. 63.1025(e)(2) may be designated difficult-to-monitor if the provisions of paragraph (c)(2)(i) apply. Agitators meeting the provisions of Sec. 63.1028(e)(5) may be designated difficult-to-monitor if the provisions of paragraph (c)(2)(ii) apply.

(i) Valves. (A) The owner or operator of the valve determines that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters (7 feet) above a support surface or it is not accessible in a safe manner when it is in regulated material service; and

(B) The process unit or affected facility within which the valve is located is an existing source, or the owner or operator designates less than 3 percent of the total

number of valves in a new source as difficult-to-monitor.

(ii) Agitators. The owner or operator determines that the agitator cannot be monitored without elevating the monitoring personnel more than 2 meters (7 feet) above a support surface or it is not accessible in a safe manner when it is in regulated material service.

(3) Identification of unsafe or difficult-to-monitor equipment. The owner or operator shall record the identity of equipment designated as unsafe-to-monitor according to the provisions of paragraph (c)(1) of this condition and the planned schedule for monitoring this equipment. The owner or operator shall record the identity of equipment designated as difficult-to-monitor according to the provisions of paragraph (c)(2) of this condition, the planned schedule for monitoring this equipment, and an explanation why the equipment is unsafe or difficult-to-monitor. This record must be kept at the plant and be available for review by an inspector.

(4) Written plan requirements. (i) The owner or operator of equipment designated as unsafe-to-monitor according to the provisions of paragraph (c)(1) of this condition shall have a written plan that requires monitoring of the equipment as frequently as practical during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable, and repair of the equipment according to the procedures in Sec. 63.1024 if a leak is detected.

(ii) The owner or operator of equipment designated as difficult-to-monitor according to the provisions of paragraph (c)(2) of this condition shall have a written plan that requires monitoring of the equipment at least once per calendar year and repair of the equipment according to the procedures in Sec. 63.1024 if a leak is detected.

(d) Special equipment designations: Equipment that is unsafe-to-repair. (1) Designation and criteria. Connectors subject to the provisions of Sec. 63.1024(e) may be designated unsafe-to-repair if the owner or operator determines that repair personnel would be exposed to an immediate danger as a consequence of complying with the repair requirements of this subpart, and if the connector will be repaired before the end of the next process unit or affected facility shutdown as specified in Sec. 63.1024(e)(2).

(2) Identification of equipment. The identity of connectors designated as unsafe-to-repair and an explanation why the connector is unsafe-to-repair shall be recorded.

(e) Special equipment designations: Compressors operating

with an instrument reading of less than 500 parts per million above background. Identify the compressors that the owner or operator elects to designate as operating with an instrument reading of less than 500 parts per million above background, under the provisions of Sec. 63.1031(f).

(f) Special equipment designations: Equipment in heavy liquid service. The owner or operator of equipment in heavy liquid service shall comply with the requirements of either paragraph (f)(1) or (f)(2)
of this condition, as provided in paragraph (f)(3) of this condition.

(1) Retain information, data, and analyses used to determine that a piece of equipment is in heavy liquid service.

(2) When requested by the Administrator, demonstrate that the piece of equipment or process is in heavy liquid service.

(3) A determination or demonstration that a piece of equipment or process is in heavy liquid service shall include an analysis or demonstration that the process fluids do not meet the definition of ``in light liquid service." Examples of information that could document this include, but are not limited to, records of chemicals purchased for the process, analyses of process stream composition, engineering calculations, or process knowledge.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 116: Instrument and Sensory Monitoring For Leaks
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1023, Subpart UU

Item 116.1:
This Condition applies to:

Emission Unit: 000004
Process: 014

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 012

Emission Unit: 000006
Process: 013

Item 116.2:
(a) Monitoring for leaks. The owner or operator of a regulated source subject to subpart UU shall monitor regulated equipment as specified in paragraph (a)(1) of this condition for instrument monitoring and paragraph (a)(2) of this condition for sensory monitoring.
(1) Instrument monitoring for leaks. (i) Valves in gas and vapor service and in light liquid service shall be monitored pursuant to Sec. 63.1025(b).
(ii) Pumps in light liquid service shall be monitored pursuant to Sec. 63.1026(b).
(iii) Connectors in gas and vapor service and in light liquid service shall be monitored pursuant to Sec. 63.1027(b).
(iv) Agitators in gas and vapor service and in light liquid service shall be monitored pursuant to Sec. 63.1028(c).
(v) Pressure relief devices in gas and vapor service shall be monitored pursuant to Sec. 63.1030(c).
(vi) Compressors designated to operate with an instrument reading less than 500 parts per million above background, as described in Sec. 63.1022(e), shall be monitored pursuant to Sec. 63.1031(f).
(2) Sensory monitoring for leaks. (i) Pumps in light liquid service shall be observed pursuant to Secs. 63.1026(b)(4) and (e)(1)(v).
(ii) Agitators in gas and vapor service and in light liquid service shall be observed pursuant to Sec. 63.1028(c)(3) or (e)(1)(iv).

(b) Leaking equipment identification and records. (1) When each leak is detected pursuant to the monitoring specified in paragraph (a) of this condition, a weatherproof and readily visible identification, shall be attached to the leaking equipment.
(2) When each leak is detected, the information specified in Sec. 63.1024(f) shall be recorded and kept pursuant to the referencing subpart, except for the information for connectors complying with the 8 year monitoring period allowed under Sec. 63.1027(b)(3)(iii) shall be kept 5 years beyond the date of its last use.

Condition 117: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1024, Subpart UU

Item 117.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004

Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 117.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Leak repair schedule. The owner or operator shall repair each leak detected as soon as practical, but not later than 15 calendar days after it is detected, except as provided in paragraphs (c) and (d) of this condition. A first attempt at repair as defined in this subpart shall be made no later than 5 calendar days after the leak is detected. First attempt at repair for pumps includes, but is not limited to, tightening the packing gland nuts and/or ensuring that the seal flush is operating at design pressure and temperature. First attempt at repair for valves includes, but is not limited to, tightening the bonnet bolts, and/or replacing the bonnet bolts, and/or tightening the packing gland nuts, and/or injecting lubricant into the lubricated packing.

(b) Leak identification removal. (1) Valves and connectors in gas/vapor and light liquid service. The leak identification on a valve in gas/vapor or light liquid service may be removed after it has been monitored as specified in Sec. 63.1025(d)(2), and no leak has been detected during that monitoring. The leak identification on a connector in gas/vapor or light liquid service may be removed after it has been monitored as specified in Sec. 63.1027(b)(3)(iv) and no leak has been detected during that monitoring.
(2) Other equipment. The identification that has been placed, pursuant to Sec. 63.1023(e)(1), on equipment determined to have a leak, except for a valve or for a connector in gas/vapor or light liquid service that is subject to the provisions of Sec. 63.1027(b)(3)(iv), may be removed after it is repaired.

(c) Delay of repair. Delay of repair is allowed for any of the conditions specified in paragraphs (c)(1) through (c)(5) of this condition. The owner or operator shall maintain a record of the facts that explain any delay of repairs and, where appropriate, why the repair was technically infeasible without a process unit shutdown.
(1) Delay of repair of equipment for which leaks have

been detected is allowed if repair within 15 days after a leak is detected is technically infeasible without a process unit or affected facility shutdown. Repair of this equipment shall occur as soon as practical, but no later than the end of the next process unit or affected facility shutdown, except as provided in paragraph (c)(5) of this section.

(2) Delay of repair of equipment for which leaks have been detected is allowed for equipment that is isolated from the process and that does not remain in regulated material service.

(3) Delay of repair for valves, connectors, and agitators is also allowed if the provisions of paragraphs (c)(3)(i) and (c)(3)(ii) of this condition are met.

(i) The owner or operator determines that emissions of purged material resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair, and

(ii) When repair procedures are effected, the purged material is collected and destroyed, collected and routed to a fuel gas system or process, or recovered in a control device complying with either Sec. 63.1034 or Sec. 63.1021(b).

(4) Delay of repair for pumps is also allowed if the provisions of paragraphs (c)(4)(i) and (c)(4)(ii) of this condition are met.

(i) Repair requires replacing the existing seal design with a new system that the owner or operator has determined under the provisions of Sec. 63.1035(d) will provide better performance or one of the specifications of paragraphs (c)(4)(i)(A) through (c)(4)(i)(C) of this condition are met.

(A) A dual mechanical seal system that meets the requirements of Sec. 63.1026(e)(1) will be installed;

(B) A pump that meets the requirements of Sec. 63.1026(e)(2) will be installed; or

(C) A system that routes emissions to a process or a fuel gas system or a closed vent system and control device that meets the requirements of Sec. 63.1026(e)(3) will be installed; and

(ii) Repair is completed as soon as practical, but not later than 6 months after the leak was detected.

(5) Delay of repair beyond a process unit or affected facility shutdown will be allowed for a valve if valve assembly replacement is necessary during the process unit or affected facility shutdown, and valve assembly supplies have been depleted, and valve assembly supplies had been sufficiently stocked before the supplies were depleted. Delay of repair beyond the second process unit or affected facility shutdown
will not be allowed unless the third process unit or affected facility shutdown occurs sooner than 6 months

after the first process unit or affected facility shutdown.

(d) Unsafe-to-repair--connectors. Any connector that is designated, as described in Sec. 63.1022(d), as an unsafe-to-repair connector is exempt from the requirements of Sec. 63.1027(d), and paragraph (a) of this condition.

(e) Leak repair records. For each leak detected, the information specified in paragraphs (e)(1) through (e)(5) of this section shall be recorded and maintained pursuant to the referencing subpart.

(1) The date of first attempt to repair the leak.

(2) The date of successful repair of the leak.

(3) Maximum instrument reading measured by Method 21 of 40 CFR part 60, appendix A at the time the leak is successfully repaired or determined to be nonrepairable.

(4) ``Repair delayed" and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak as specified in paragraphs (e)(4)(i) and (e)(4)(ii) of this condition.

(i) The owner or operator may develop a written procedure that identifies the conditions that justify a delay of repair. The written procedures may be included as part of the start-up, shutdown, and malfunction plan, as required by the referencing subpart for the source, or may be part of a separate document that is maintained at the plant site. In such cases, reasons for delay of repair may be documented by citing the relevant sections of the written procedure.

(ii) If delay of repair was caused by depletion of stocked parts, there must be documentation that the spare parts were sufficiently stocked on-site before depletion and the reason for depletion.

(5) Dates of process unit or affected facility shutdowns that occur while the equipment is unrepaired.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 118: Valves in gas/vapor service and in light liquid service
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1025, Subpart UU

Item 118.1:
This Condition applies to:

Emission Unit: 000004
Process: 014

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 012

Emission Unit: 000006
Process: 013

Item 118.2:
(a) Compliance schedule. (1) The owner or operator shall comply with this condition no later than the compliance dates specified in the referencing subpart.

(2) The use of monitoring data generated before the regulated source became subject to the referencing subpart to qualify initially for less frequent monitoring is governed by the provisions of Sec. 63.1023(b)(6).

(b) Leak detection. Unless otherwise specified in Sec. 63.1021(b) or paragraph (e) of this condition, or the referencing subpart, the owner or operator shall monitor all valves at the intervals specified in paragraphs (b)(3) and/or (b)(4) of this condition and shall comply with all other provisions of this condition.

(1) Monitoring method. The valves shall be monitored to detect leaks by the method specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c).

(2) Instrument reading that defines a leak. The instrument reading that defines a leak is 500 parts per million or greater.

(3) Monitoring frequency. The owner or operator shall monitor valves for leaks at the intervals specified in paragraphs (b)(3)(i) through (b)(3)(v) of this condition and shall keep the record specified in paragraph (b)(3)(vi) of this condition.

(i) If at least the greater of 2 valves or 2 percent of the valves in a process unit leak, as calculated according to paragraph (c) of this condition, the owner or operator shall monitor each valve once per month.

(ii) At process units with less than the greater of 2 leaking valves or 2 percent leaking valves, the owner or operator shall monitor each valve once each quarter, except as provided in paragraphs (b)(3)(iii) through (b)(3)(v) of this condition. Monitoring data generated before the regulated source became subject to the referencing subpart and meeting the criteria of either Sec. 63.1023(b)(1) through (b)(5), or Sec. 63.1023(b)(6), may be used to qualify initially for less frequent monitoring under paragraphs (b)(3)(iii) through (b)(3)(v) of this condition.

(iii) At process units with less than 1 percent leaking valves, the owner or operator may elect to monitor each valve once every two quarters

(iv) At process units with less than 0.5 percent leaking valves, the owner or operator may elect to monitor each valve once every four quarters.

(v) At process units with less than 0.25 percent leaking valves, the owner or operator may elect to monitor each valve once every 2 years.

(vi) The owner or operator shall keep a record of the monitoring schedule for each process unit.

(4) Valve subgrouping. For a process unit or a group of process units to which subpart UU

applies, an owner or operator may choose to subdivide the valves in the applicable process unit or group of process units and apply the provisions of paragraph (b)(3) of this condition to each subgroup. If the owner or operator elects to subdivide the valves in the applicable process unit or group of process units, then the
provisions of paragraphs (b)(4)(i) through (b)(4)(viii) of this condition apply.

(i) The overall performance of total valves in the applicable process unit or group of process units to be subdivided shall be less than 2 percent leaking valves, as detected according to paragraphs (b)(1) and (b)(2) of this condition and as calculated according to paragraphs (c)(1)(ii) and (c)(2) of this condition.

(ii) The initial assignment or subsequent reassignment of valves to subgroups shall be governed by the provisions of paragraphs (b)(4)(ii)(A) through (b)(4)(ii)(C) of this condition.

(A) The owner or operator shall determine which valves are assigned to each subgroup. Valves with less than one year of monitoring data or valves not monitored within the last twelve months must be placed initially into the most frequently monitored subgroup until at least one year of monitoring data have been obtained.

(B) Any valve or group of valves can be reassigned from a less frequently monitored subgroup to a more frequently monitored subgroup provided that the valves to be reassigned were monitored during the most recent monitoring period for the less frequently monitored subgroup. The monitoring results must be included with that less frequently monitored subgroup's associated percent leaking valves calculation for that monitoring event.

(C) Any valve or group of valves can be reassigned from a more frequently monitored subgroup to a less frequently monitored subgroup provided that the valves to be reassigned have not leaked for the period of the less frequently monitored subgroup (e.g., for the last 12 months, if the valve or group of valves is to be reassigned to a subgroup being monitored annually). Nonrepairable valves may not be reassigned to a less frequently monitored subgroup.

(iii) The owner or operator shall determine every 6 months if the overall performance of total valves in the applicable process unit or group of process units is less than 2 percent leaking valves and so indicate the performance in the next Periodic Report. If the overall performance of total valves in the applicable process unit or group of process units is 2 percent leaking valves or greater, the owner or operator shall no longer subgroup and shall revert to the program required in paragraphs (b)(1) through (b)(3) of this condition for that applicable process unit or group of process units. An owner or operator can again elect to comply with the valve subgrouping procedures of paragraph (b)(4) of this condition if future overall performance of total valves in the process unit or group of process units is again less than 2 percent. The overall performance of total valves in the applicable process unit or group of process units shall be calculated as a weighted average of the percent leaking valves of each subgroup according to Equation number 1:

[Eq. 1]

where:

%VLO = Overall performance of total valves in the applicable process unit or group of process units
%VLi = Percent leaking valves in subgroup i, most recent value calculated according to the procedures in paragraphs (c)(1)(ii) and (c)(2) of this section.
Vi = Number of valves in subgroup i.
n = Number of subgroups.

(iv) The owner or operator shall maintain records specified in paragraphs (b)(4)(iv)(A) through (b)(4)(iv)(D) of this condition.

(A) Which valves are assigned to each subgroup,
(B) Monitoring results and calculations made for each subgroup for each monitoring period,
(C) Which valves are reassigned, the last monitoring result prior to reassignment, and when they were reassigned, and
(D) The results of the semiannual overall performance calculation required in paragraph (b)(4)(iii) of this condition.
(v) The owner or operator shall notify the DEC no later than 30 days prior to the beginning of the next monitoring period of the decision to subgroup valves. The notification shall identify the participating process units and the number of valves assigned to each subgroup, if applicable, and may be included in the next Periodic Report.
(vi) The owner or operator shall submit in the periodic reports the information specified in paragraphs (b)(4)(vi)(A) and (b)(4)(vi)(B).
(A) Total number of valves in each subgroup, and
(B) Results of the semiannual overall performance calculation required by paragraph (b)(4)(iii) of this condition.
(vii) To determine the monitoring frequency for each subgroup, the calculation procedures of paragraph (c)(2) of this condition shall be used.
(viii) Except for the overall performance calculations required by paragraphs (b)(4)(i) and (iii) of this condition, each subgroup shall be treated as if it were a process unit for the purposes of applying the provisions of this condition.

(c) Percent leaking valves calculation. (1) Calculation basis and procedures. (i) The owner or operator shall decide no later than the compliance date of Subpart UU or upon revision of this operating permit whether to calculate percent leaking valves on a process unit or group of process units basis. Once the owner or operator has decided, all subsequent percentage calculations shall be made on the same basis and this shall be the basis used for comparison with the subgrouping criteria specified in paragraph (b)(4)(i) of this condition.
(ii) The percent leaking valves for each monitoring period for each process unit or valve subgroup, as provided in paragraph (b)(4) of this condition, shall be calculated using the following equation:

%VL = (VL / VT) x 100 [Eq. 2]

where:

%VL = Percent leaking valves.
VL = Number of valves found leaking, excluding nonrepairable valves, as provided in paragraph (c)(3) of this section, and including those valves found leaking pursuant to paragraphs (d)(2)(iii)(A) and (d)(2)(iii)(B) of this section.
V<INF>T</INF> = The sum of the total number of valves monitored.

(2) Calculation for monitoring frequency. When determining monitoring frequency for each process unit or valve subgroup subject to monthly, quarterly, or semiannual monitoring frequencies, the percent leaking valves shall be the arithmetic average of the percent leaking valves from the last two monitoring periods. When determining monitoring frequency for each process unit or valve subgroup subject to annual or biennial (once every 2 years) monitoring frequencies, the percent leaking valves shall be the arithmetic average of the percent leaking valves from the last three monitoring periods.
(3) Nonrepairable valves. (i) Nonrepairable valves shall be included in the calculation of percent leaking valves the first time the valve is identified as leaking and nonrepairable and as required to comply with paragraph (c)(3)(ii) of this condition. Otherwise, a number of

nonrepairable valves (identified and included in the percent leaking valves calculation in a previous period) up to a maximum of 1 percent of the total number of valves in regulated material service at a process unit or affected facility may be excluded from calculation of percent leaking valves for subsequent monitoring periods.

(ii) If the number of nonrepairable valves exceeds 1 percent of the total number of valves in regulated material service at a process unit or affected facility, the number of nonrepairable valves exceeding 1 percent of the total number of valves in regulated material service shall be included in the calculation of percent leaking valves.

(d) Leak repair. (1) If a leak is determined pursuant to paragraph (b), (e)(1), or (e)(2) of this condition, then the leak shall be repaired using the procedures in Sec. 63.1024, as applicable.

(2) After a leak has been repaired, the valve shall be monitored at least once within the first 3 months after its repair. The monitoring required by this paragraph is in addition to the monitoring required to satisfy the definition of repaired and first attempt at repair.

(i) The monitoring shall be conducted as specified in Sec. 63.1023(b) and (c), appropriate, to determine whether the valve has resumed leaking.

(ii) Periodic monitoring required by paragraph (b) of this condition may be used to satisfy the requirements of this paragraph, if the timing of the monitoring period coincides with the time specified in this paragraph. Alternatively, other monitoring may be performed to satisfy the requirements of this paragraph, regardless of whether the timing of the monitoring period for periodic monitoring coincides with the time specified in this paragraph.

(iii) If a leak is detected by monitoring that is conducted pursuant to paragraph (d)(2) of this condition, the owner or operator shall follow the provisions of paragraphs (d)(2)(iii)(A) and (d)(2)(iii)(B) of this condition, to determine whether that valve must be counted as a leaking valve for purposes of paragraph (c)(1)(ii) of this condition.

(A) If the owner or operator elected to use periodic monitoring required by paragraph (b) of this condition to satisfy the requirements of paragraph (d)(2) of this condition, then the valve shall be counted as a leaking valve.

(B) If the owner or operator elected to use other monitoring, prior to the periodic monitoring required by paragraph (b) of this condition, to satisfy the requirements of paragraph (d)(2) of this condition, then the valve shall be counted as a leaking valve unless it is repaired and shown by periodic monitoring not to be leaking.

(e) Special provisions for valves. (1) Unsafe-to-monitor valves. Any valve that is designated, as described in Sec. 63.1022(c)(1), as an unsafe-to-monitor valve is exempt from the requirements of paragraphs (b) and (d)(2) of this condition and the owner or operator shall monitor the valve according to the written plan specified in Sec. 63.1022(c)(4).

(2) Difficult-to-monitor valves. Any valve that is designated, as described in Sec. 63.1022(c)(2), as a difficult-to-monitor valve is exempt from the requirements of paragraph (b) of this condition and the
owner or operator shall monitor the valve according to the written plan specified in Sec. 63.1022(c)(4).

(3) Fewer than 250 valves. Any equipment located at a plant site with fewer than 250 valves in regulated material service is exempt from the requirements for monthly monitoring specified in paragraph (b)(3)(i)
of this condition. Instead, the owner or operator shall monitor each valve in regulated material service for leaks once each quarter, as provided in paragraphs (e)(1) and (e)(2) of this condition.

Condition 119: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1026, Subpart UU

Item 119.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 119.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Compliance schedule. The owner or operator shall comply with this condition no later than the compliance dates specified in the referencing subpart.

(b) Leak detection. Unless otherwise specified in 40 CFR Sec. 63.1021(b), Sec. 63.1036, Sec. 63.1037, or paragraph (e) of this condition, the owner or operator shall monitor each pump to detect leaks and shall comply with all other provisions of this condition.

(1) Monitoring method and frequency. The pumps shall be monitored monthly to detect leaks by the method specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c).

(2) Instrument reading that defines a leak. The instrument reading that defines a leak is specified in paragraphs (b)(2)(i) through (b)(2)(iii) of this condition.

(i) 5,000 parts per million or greater for pumps handling polymerizing monomers;

(ii) 2,000 parts per million or greater for pumps in food/medical service; and

(iii) 1,000 parts per million or greater for all other pumps.

(3) Leak repair exception. For pumps to which a 1,000 parts per million leak definition applies, repair is not required unless an instrument reading of 2,000 parts per million or greater is detected.

(4) Visual inspection. Each pump shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal. The owner or operator

shall document that the inspection
was conducted and the date of the inspection. If there are indications of liquids dripping from the pump seal at the time of the weekly inspection, the owner or operator shall follow the procedure specified in either paragraph (b)(4)(i) or (b)(4)(ii) of this condition.

(i) The owner or operator shall monitor the pump as specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c). If the instrument reading indicates a leak as specified in paragraph (b)(2) of this condition, a leak is detected and it shall be repaired using the procedures in Sec. 63.1024, except as specified in paragraph (b)(3) of this condition; or

(ii) The owner or operator shall eliminate the visual indications of liquids dripping.

(c) Percent leaking pumps calculation. (1) The owner or operator shall decide no later than the compliance date of this part or upon revision of this operating permit whether to calculate percent leaking pumps on a process unit basis or group of process units basis. Once the owner or operator has decided, all subsequent percentage calculations shall be made on the same basis.

(2) If, when calculated on a 6-month rolling average, at least the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak, the owner or operator shall implement a quality improvement program for pumps that complies with the requirements of Sec. 63.1035.

(3) The number of pumps at a process unit or affected facility shall be the sum of all the pumps in regulated material service, except that pumps found leaking in a continuous process unit or affected facility
within 1 month after start-up of the pump shall not count in the percent leaking pumps calculation for that one monitoring period only.

(4) Percent leaking pumps shall be determined by the following equation:

%PL = ((PL - PS)/(PT - PS)) x 100 [Eq. 3]

Where:

%PL = Percent leaking pumps
PL = Number of pumps found leaking as determined through

monthly monitoring as required in paragraph (b)(1) of this condition.

Do not include results from inspection of unsafe-to-monitor pumps

pursuant to paragraph (e)(6) of this condition.

PS = Number of pumps leaking within 1 month of start-up during the current monitoring period.
PT = Total pumps in regulated material service, including those meeting the criteria in paragraphs (e)(1), (e)(2), (e)(3), and (e)(6) of this condition.

(d) Leak repair. If a leak is detected pursuant to paragraph (b) of this condition, then the leak shall be repaired using the procedures in Sec. 63.1024, as applicable, unless otherwise specified in paragraph (b)(5) of this condition for leaks identified by visual indications of liquids dripping.

(e) Special provisions for pumps. (1) Dual mechanical seal pumps. Each pump equipped with a dual mechanical seal system that includes a barrier fluid system is exempt from the requirements of paragraph (b) of this condition, provided the requirements specified in paragraphs (e)(1)(i) through (e)(1)(viii) of this condition are met.

(i) The owner or operator determines, based on design considerations and operating experience, criteria applicable to the presence and frequency of drips and to the sensor that indicates failure of the seal system, the barrier fluid system, or both. The owner or operator shall keep records at the plant of the design criteria and an explanation of the design criteria; and any changes to these criteria and the reasons for the changes. This record must be available for review by an inspector.

(ii) Each dual mechanical seal system shall meet the requirements specified in paragraph (e)(1)(ii)(A), (e)(1)(ii)(B), or (e)(1)(ii)(C) of this condition.

(A) Each dual mechanical seal system is operated with the barrier fluid at a pressure that is at all times (except periods of startup, shutdown, or malfunction) greater than the pump stuffing box pressure; or

(B) Equipped with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of either Sec. 63.1034 or Sec. 63.1021(b); or

(C) Equipped with a closed-loop system that purges the barrier fluid into a process stream.

(iii) The barrier fluid is not in light liquid service.

(iv) Each barrier fluid system is equipped with a sensor that will detect failure of the seal system, the barrier fluid system, or both.

(v) Each pump is checked by visual inspection each

calendar week for indications of liquids dripping from the pump seal. The owner or operator shall document that the inspection was conducted and the date of the inspection. If there are indications of liquids dripping from the pump seal at the time of the weekly inspection, the owner or operator shall follow the procedure specified in paragraphs (e)(1)(v)(A) or (e)(1)(v)(B) of this condition prior to the next required inspection.

(A) The owner or operator shall monitor the pump as specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023 (c), to determine if there is a leak of regulated material in the barrier fluid. If an instrument reading of 1,000 parts per million or greater is measured, a leak is detected and it shall be repaired using the procedures in Sec. 63.1024; or

(B) The owner or operator shall eliminate the visual indications of liquids dripping.

(vi) If indications of liquids dripping from the pump seal exceed the criteria established in paragraph (e)(1)(i) of this condition, or if based on the criteria established in paragraph (e)(1)(i) of this condition the sensor indicates failure of the seal system, the barrier fluid system, or both, a leak is detected.

(vii) Each sensor as described in paragraph (e)(1)(iv) of this condition is observed daily or is equipped with an alarm unless the pump is located within the boundary of an unmanned plant site.

(viii) When a leak is detected pursuant to paragraph (e)(1)(vi) of this condition, it shall be repaired as specified in Sec. 63.1024.

(2) No external shaft. Any pump that is designed with no externally actuated shaft penetrating the pump housing is exempt from the requirements of paragraph (b) of this condition.

(3) Routed to a process or fuel gas system or equipped with a closed vent system. Any pump that is routed to a process or fuel gas system or equipped with a closed vent system capable of capturing and transporting leakage from the pump to a control device meeting the requirements of Sec. 63.1034 or Sec. 63.1021(b) is exempt from the requirements of paragraph (b) of this condition.

(4) Unmanned plant site. Any pump that is located within the boundary of an unmanned plant site is exempt from the weekly visual inspection requirement of paragraphs (b)(4) and (e)(1)(v) of this condition, and the daily requirements of paragraph (e)(1)(vii) of this condition, provided that each pump is visually inspected as often as practical and at least monthly.

(5) 90 percent exemption. If more than 90 percent of the pumps at a process unit or affected facility meet the criteria in either paragraph (e)(1) or (e)(2) of this

section, the process unit or affected facility is exempt from the percent leaking calculation in paragraph (c) of this condition.

(6) Unsafe-to-monitor pumps. Any pump that is designated, as described in Sec. 63.1022(c)(1), as an unsafe-to-monitor pump is exempt from the requirements of paragraph (b) of this condition, the monitoring and inspection requirements of paragraphs (e)(1)(v) through (viii) of this condition, and the owner or operator shall monitor and inspect the pump according to the written plan specified in Sec. 63.1022(c)(4).

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 120: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1027, Subpart UU

Item 120.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 120.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Compliance schedule. The owner or operator shall monitor all connectors in each process unit initially for leaks by the later of either 12 months after the compliance date as specified in the referencing subpart or 12 months after initial startup. If all connectors in each process unit have been monitored for leaks prior to the compliance date specified in the referencing subpart, no initial monitoring is required provided either no process changes have been made since the monitoring or the owner or operator can determine that the results of the monitoring, with or without adjustments, reliably demonstrate compliance

despite process changes. If required to monitor because of a process change, the owner or operator is required to monitor only those connectors involved in the process change.

(b) Leak detection. Except as allowed in Sec. 63.1021(b), Sec. 63.1036, Sec. 63.1037, or as specified in paragraph (e) of this condition, the owner or operator shall monitor all connectors in gas and vapor and light liquid service as specified in paragraphs (a) and (b)(3) of this condition.

(1) Monitoring method. The connectors shall be monitored to detect leaks by the method specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c).

(2) Instrument reading that defines a leak. If an instrument reading greater than or equal to 500 parts per million is measured, a leak is detected.

(3) Monitoring periods. The owner or operator shall perform monitoring, subsequent to the initial monitoring required in paragraph (a) of this condition, as specified in paragraphs (b)(3)(i) through (b)(3)(iii) of this condition, and shall comply with the requirements of paragraphs (b)(3)(iv) and (b)(3)(v) of this condition. The required period in which monitoring must be conducted shall be determined from paragraphs (b)(3)(i) through (b)(3)(iii) of this condition using the monitoring results from the preceding monitoring period. The percent leaking connectors shall be calculated as specified in paragraph (c) of this condition.

(i) If the percent leaking connectors in the process unit was greater than or equal to 0.5 percent, then monitor within 12 months (1 year).

(ii) If the percent leaking connectors in the process unit was greater than or equal to 0.25 percent but less than 0.5 percent, then monitor within 4 years. An owner or operator may comply with the requirements of this paragraph by monitoring at least 40 percent of the connectors within 2 years of the start of the monitoring period, provided all connectors have been monitored by the end of the 4 year monitoring period.

(iii) If the percent leaking connectors in the process unit was less than 0.25 percent, then monitor as provided in paragraph (b)(3)(iii)(A) of this condition and either paragraph (b)(3)(iii)(B) or (b)(3)(iii)(C) of this condition, as appropriate.

(A) An owner or operator shall monitor at least 50 percent of the connectors within 4 years of the start of the monitoring period.

(B) If the percent leaking connectors calculated from the monitoring results in paragraph (b)(3)(iii)(A) of this condition is greater than or equal to 0.35 percent of the monitored connectors, the owner or operator shall monitor

as soon as practical, but within the next 6 months, all connectors that have not yet been monitored during the monitoring period. At the conclusion of monitoring, a new monitoring period shall be started pursuant to paragraph (b)(3) of this condition, based on the percent leaking connectors of the total monitored connectors.

(C) If the percent leaking connectors calculated from the monitoring results in paragraph (b)(3)(iii)(A) of this condition is less than 0.35 percent of the monitored connectors, the owner or operator shall monitor all connectors that have not yet been monitored within 8 years of the start of the monitoring period.

(iv) If, during the monitoring conducted pursuant to paragraph (b)(3)(i) through (b)(3)(iii) of this condition, a connector is found to be leaking, it shall be re-monitored once within 90 days after repair to confirm that it is not leaking.

(v) The owner or operator shall keep a record of the start date and end date of each monitoring period under this condition for each process unit.

(c) Percent leaking connectors calculation. For use in determining the monitoring frequency, as specified in paragraphs (a) and (b)(3) of this condition, the percent leaking connectors as used in paragraphs (a) and (b)(3) of this condition shall be calculated by using equation number 4.

%CL = CL/Ct x 100 [Eq. 4]

Where:

%CL = Percent leaking connectors as determined through periodic monitoring required in paragraphs (a) and (b)(3)(i) through (b)(3)(iii) of this section.
CL = Number of connectors measured at 500 parts per million or greater, by the method specified in Sec. 63.1023(b).
Ct = Total number of monitored connectors in the process unit or affected facility.

(d) Leak repair. If a leak is detected pursuant to paragraphs (a) and (b) of this condition, then the leak shall be repaired using the procedures in Sec. 63.1024, as applicable.

(e) Special provisions for connectors. (1) Unsafe-to-monitor connectors. Any connector that is designated, as described in Sec. 63.1022(c)(1), as an

unsafe-to-monitor connector is exempt from the requirements of paragraphs (a) and (b) of this condition and the owner or operator shall monitor according to the written plan specified in Sec. 63.1022(c)(4).

(2) Inaccessible, ceramic, or ceramic-lined connectors. (i) Any connector that is inaccessible or that is ceramic or ceramic-lined (e.g., porcelain, glass, or glass-lined), is exempt from the monitoring requirements of paragraphs (a) and (b) of this condition, from the leak repair requirements of paragraph (d) of this condition, and from the recordkeeping and reporting requirements of Secs. 63.1038 and 63.1039. An inaccessible connector is one that meets any of the provisions specified in paragraphs (e)(2)(i)(A) through (e)(2)(i)(F) of this condition, as applicable.

(A) Buried;

(B) Insulated in a manner that prevents access to the connector by a monitor probe;

(C) Obstructed by equipment or piping that prevents access to the connector by a monitor probe;

(D) Unable to be reached from a wheeled scissor-lift or hydraulic-type scaffold that would allow access to connectors up to 7.6 meters (25 feet) above the ground.

(E) Inaccessible because it would require elevating the monitoring personnel more than 2 meters (7 feet) above a permanent support surface or would require the erection of scaffold;

(F) Not able to be accessed at any time in a safe manner to perform monitoring. Unsafe access includes, but is not limited to, the use of a wheeled scissor-lift on unstable or uneven terrain, the use of a motorized man-lift basket in areas where an ignition potential exists, or access would require near proximity to hazards such as electrical lines, or would risk damage to equipment.

(ii) If any inaccessible, ceramic or ceramic-lined connector is observed by visual, audible, olfactory, or other means to be leaking, the visual, audible, olfactory, or other indications of a leak to the atmosphere shall be eliminated as soon as practical.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 121: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1028, Subpart UU

Item 121.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 121.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Compliance schedule. The owner or operator shall comply with this section no later than the compliance dates specified in the referencing subpart.

(b) Leak detection. (1) Monitoring method. Each agitator seal shall be monitored monthly to detect leaks by the methods specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c), except as provided in Sec. 63.1021(b), Sec. 63.1036, Sec. 63.1037, or paragraph (d) of this condition.

(2) Instrument reading that defines a leak. If an instrument reading equivalent of 10,000 parts per million or greater is measured, a leak is detected.

(3) Visual inspection. (i) Each agitator seal shall be checked by visual inspection each calendar week for indications of liquids dripping from the agitator seal. The owner or operator shall document that the inspection was conducted and the date of the inspection.

(ii) If there are indications of liquids dripping from the agitator seal, the owner or operator shall follow the procedures specified in paragraphs (b)(3)(ii)(A) or (b)(3)(ii)(B) of this condition prior to the next required inspection.

(A) The owner or operator shall monitor the agitator seal as specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c), to determine if there is a leak of regulated material. If an instrument reading of 10,000 parts per million or greater is measured, a leak is detected, and it shall be repaired according to paragraph (c) of this condition; or

(B) The owner or operator shall eliminate the indications of liquids dripping from the agitator

seal.

(c) Leak repair. If a leak is detected, then the leak shall be repaired using the procedures in Sec. 63.1024.

(d) Special provisions for agitators. (1) Dual mechanical seal. Each agitator equipped with a dual mechanical seal system that includes a barrier fluid system is exempt from the requirements of paragraph (b) of this condition, provided the requirements specified in paragraphs (d)(1)(i) through (d)(1)(vi) of this condition are met.

(i) Each dual mechanical seal system shall meet the applicable requirements specified in paragraphs (d)(1)(i)(A), (d)(1)(i)(B), or (d)(1)(i)(C) of this condition.

(A) Operated with the barrier fluid at a pressure that is at all times (except during periods of startup, shutdown, or malfunction) greater than the agitator stuffing box pressure; or

(B) Equipped with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that meets the requirements of either Sec. 63.1034 or Sec. 63.1021(b); or

(C) Equipped with a closed-loop system that purges the barrier fluid into a process stream.

(ii) The barrier fluid is not in light liquid service.

(iii) Each barrier fluid system is equipped with a sensor that will detect failure of the seal system, the barrier fluid system, or both.

(iv) Each agitator seal is checked by visual inspection each calendar week for indications of liquids dripping from the agitator seal. If there are indications of liquids dripping from the agitator seal at the time of the weekly inspection, the owner or operator shall follow the procedure specified in paragraphs (d)(1)(iv)(A) or (d)(1)(iv)(B) of this condition prior to the next required inspection.

(A) The owner or operator shall monitor the agitator seal as specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c), to determine the presence of regulated material in the barrier fluid. If an instrument reading equivalent to or greater than 10,000 ppm is measured, a leak is detected and it shall be repaired using the procedures in Sec. 63.1024, or

(B) The owner or operator shall eliminate the visual indications of liquids dripping.

(v) Each sensor as described in paragraph (d)(1)(iii) of this condition is observed daily or is equipped with an alarm unless the agitator seal is located within the

boundary of an unmanned plant site.

(vi) The owner or operator of each dual mechanical seal system shall meet the requirements specified in paragraphs (d)(1)(vi)(A) and (d)(1)(vi)(B) of this condition.

(A) The owner or operator shall determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both and applicable to the presence and frequency of drips. If indications of liquids dripping from the agitator seal exceed the criteria, or if, based on the criteria the sensor indicates failure of the seal system, the barrier fluid system, or both, a leak is detected and shall be repaired pursuant to Sec. 63.1024, as applicable.

(B) The owner or operator shall keep records of the design criteria and an explanation of the design criteria; and any changes to these criteria and the reasons for the changes.

(2) No external shaft. Any agitator that is designed with no externally actuated shaft penetrating the agitator housing is exempt from paragraph (b) of this condition.

(3) Routed to a process or fuel gas system or equipped with a closed vent system. Any agitator that is routed to a process or fuel gas system that captures and transports leakage from the agitator to a control device meeting the requirements of either Sec. 63.1034 or Sec. 63.1021(b) is exempt from the requirements of paragraph (b) of this condition.

(4) Unmanned plant site. Any agitator that is located within the boundary of an unmanned plant site is exempt from the weekly visual inspection requirement of paragraphs (b)(3) and (d)(1)(iv) of this condition, and the daily requirements of paragraph (d)(1)(v) of this condition, provided that each agitator is visually inspected as often as practical and at least monthly.

(5) Difficult-to-monitor agitator seals. Any agitator seal that is designated, as described in Sec. 63.1022(c)(2), as a difficult-to-monitor agitator seal is exempt from the requirements of paragraph (b) of this condition and the owner or operator shall monitor the agitator seal according to the written plan specified in Sec. 63.1022(c)(4).

(6) Equipment obstructions. Any agitator seal that is obstructed by equipment or piping that prevents access to the agitator by a monitor probe is exempt from the monitoring requirements of paragraph (b) of this condition.

(7) Unsafe-to-monitor agitator seals. Any agitator seal that is designated, as described in Sec. 63.1022(c)(1), as an unsafe-to-monitor agitator seal is exempt from the requirements of paragraph (b) of this

condition and the owner or operator of the agitator seal monitors the agitator seal according to the written plan specified in Sec. 63.1022(c)(4).

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 122: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1029, Subpart UU

Item 122.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 122.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Compliance schedule. The owner or operator shall comply with this condition no later than the compliance dates specified in the referencing subpart.

(b) Leak detection. (1) Monitoring method. Unless otherwise specified in Sec. 63.1021(b), Sec. 63.1036, or Sec. 63.1037, the owner or operator shall comply with paragraphs (b)(1) and (b)(2) of this condition. Pumps, valves, connectors, and agitators in heavy liquid service; pressure relief devices in light liquid or heavy liquid service; and instrumentation systems shall be monitored within 5 calendar days by the method specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c), if evidence of a potential leak to the atmosphere is found by visual, audible, olfactory, or any other detection method, unless the potential leak is repaired as required in paragraph (c) of this condition.

(2) Instrument reading that defines a leak. If an instrument reading of 10,000 parts per million or greater for agitators, 5,000 parts per million or greater for pumps handling polymerizing monomers, 2,000 parts per million or greater for pumps in food and medical service, or 2,000 parts per million or greater for all other pumps (including pumps in food/medical service), or 500 parts per million or greater for valves, connectors, instrumentation systems, and pressure relief devices is measured pursuant to paragraph (b)(1) of this condition, a leak is detected and shall be repaired pursuant to Sec. 63.1024, as applicable.

(c) Leak repair. For equipment identified in paragraph (b) of this condition that is not monitored by the method specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c), repaired shall mean that the visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated; that no bubbles are observed at potential leak sites during a leak check using soap solution; or that the system will hold a test pressure.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 123: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1030, Subpart UU

Item 123.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 123.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(a) Compliance schedule. The owner or operator shall

comply with this section no later than the compliance dates specified in the referencing subpart.

(b) Compliance standard. Except during pressure releases as provided for in paragraph (c) of this condition, or as otherwise specified in 40 CFR Secs. 63.1036, 63.1037, or paragraphs (d) and (e) of this condition, each pressure relief device in gas and vapor service shall be operated with an instrument reading of less than 500 parts per million as measured by the method specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c).

(c) Pressure relief requirements. (1) After each pressure release, the pressure relief device shall be returned to a condition indicated by an instrument reading of less than 500 parts per million, as soon as practical, but no later than 5 calendar days after each pressure release, except as provided in Sec. 63.1024(d).

(2) The pressure relief device shall be monitored no later than five calendar days after the pressure to confirm the condition indicated by an instrument reading of less than 500 parts per million above background, as measured by the method specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c).

(3) The owner or operator shall record the dates and results of the monitoring required by paragraph (c)(2) of this condition following a pressure release including the background level measured and the maximum instrument reading measured during the monitoring.

(d) Pressure relief devices routed to a process or fuel gas system or equipped with a closed vent system and control device. Any pressure relief device that is routed to a process or fuel gas system or equipped with a closed vent system capable of capturing and transporting leakage from the pressure relief device to a control device meeting the requirements of Sec. 63.1034 is exempt from the requirements of paragraphs (b) and (c) of this condition.

(e) Rupture disk exemption. Any pressure relief device that is equipped with a rupture disk upstream of the pressure relief device is exempt from the requirements of paragraphs (b) and (c) of this condition provided the owner or operator installs a replacement rupture disk upstream of the pressure relief device as soon as practical after each pressure release but no later than 5 calendar days after each pressure release, except as provided in Sec. 63.1024(d).

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 124: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1031, Subpart UU

Item 124.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 124.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Compliance schedule. The owner or operator shall comply with this condition no later than the compliance dates specified in the referencing subpart.

(b) Seal system standard. Each compressor shall be equipped with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in Secs. 63.1021(b), 63.1036, 63.1037, and paragraphs (e) and (f) of this condition. Each compressor seal system shall meet the applicable requirements specified in paragraph (b)(1), (b)(2), or (b)(3) of this condition.

(1) Operated with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure at all times (except during periods of startup, shutdown, or malfunction); or

(2) Equipped with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that meets the requirements of either Sec. 63.1034 or Sec. 63.1021(b); or

(3) Equipped with a closed-loop system that purges the barrier fluid directly into a process stream.

(c) Barrier fluid system. The barrier fluid shall not be in light liquid service. Each barrier fluid system shall be equipped with a sensor that will detect failure of the seal system, barrier fluid system, or both. Each sensor shall be observed daily or shall be equipped with an alarm unless the compressor is located within the boundary of an unmanned plant site.

(d) Failure criterion and leak detection. (1) The owner or operator shall determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion, a leak is detected and shall be repaired pursuant to Sec. 63.1024, as applicable.

(2) The owner or operator shall keep records of the design criteria and an explanation of the design criteria; and any changes to these criteria and the reasons for the changes.

(e) Routed to a process or fuel gas system or equipped with a closed vent system. A compressor is exempt from the requirements of paragraphs (b) through (d) of this condition if it is equipped with a system to capture and transport leakage from the compressor drive shaft seal to a process or a fuel gas system or to a closed vent system that captures and transports leakage from the compressor to a control device meeting the requirements of either Sec. 63.1034 or Sec. 63.1021(b).

(f) Alternative compressor standard. (1) Any compressor that is designated, as described in Sec. 63.1022(e), as operating with an instrument reading of less than 500 parts per million above background shall operate at all times with an instrument reading of less than 500 parts per million. A compressor so designated is exempt from the requirements of paragraphs (b) through (d) of this condition if the compressor is demonstrated, initially upon designation, annually, and at other times requested by the Administrator to be operating with an instrument reading of less than 500 parts per million above background, as measured by the method specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c).

(2) The owner or operator shall record the dates and results of each compliance test including the background level measured and the maximum instrument reading measured during each compliance test.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 125: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1032, Subpart UU

Item 125.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 125.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Compliance schedule. The owner or operator shall comply with this condition no later than the compliance dates specified in the referencing subpart.

(b) Equipment requirement. Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed vent system, except as provided in Secs. 63.1021(b), 63.1036, 63.1037, or paragraph (d) of this condition. Gases displaced during filling of the sample container are not required to be collected or captured.

(c) Equipment design and operation. Each closed-purge, closed-loop, or closed vent system as required in paragraph (b) of this condition shall meet the applicable requirements specified in paragraphs (c)(1) through (c)(4) of this condition.

(1) The system shall return the purged process fluid directly to a process line or to a fuel gas system that meets the requirements of either Sec. 63.1034 or Sec. 63.1021(b); or

(2) Be designed and operated to capture and transport all the purged process fluid to a control device that meets the requirements of either Sec. 63.1034 or Sec. 63.1021(b); or

(3) Collect, store, and transport the purged process

fluid to a system or facility identified in paragraph (c)(3)(i), (c)(3)(ii), or (c)(3)(iii) of this condition.

(i) A waste management unit as defined in 40 CFR 63.111 or subpart G, if the waste management unit is subject to and operating in compliance with the provisions of 40 CFR part 63, subpart G, applicable to group 1 wastewater streams. If the purged process fluid does not contain any regulated material listed in Table 9 of 40 CFR part 63, subpart G, the waste management unit need not be subject to, and operated in compliance with the requirements of 40 CFR part 63, subpart G, applicable to group 1 wastewater streams provided the facility has a National Pollution Discharge Elimination System (NPDES) permit or sends the wastewater to an NPDES-permitted facility.

(ii) A treatment, storage, or disposal facility subject to regulation under 40 CFR parts 262, 264, 265, or 266; or

(iii) A facility permitted, licensed, or registered by a State to manage municipal or industrial solid waste, if the process fluids are not hazardous waste as defined in 40 CFR part 261.

(4) Containers that are part of a closed purge system must be covered or closed when not being filled or emptied.

(d) In-situ sampling systems. In-situ sampling systems and sampling systems without purges are exempt from the requirements of paragraphs (b) and (c) of this condition.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 126: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1033, Subpart UU

Item 126.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006

Process: 012

Emission Unit: 0-00006
Process: 013

Item 126.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Compliance schedule. The owner or operator shall comply with this condition no later than the compliance date specified in the referencing subpart.

(b) Equipment and operational requirements. (1) Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in Secs. 63.1021(b), 63.1036, 63.1037, and paragraphs (c) and (d) of this condition. The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance. The operational provisions of paragraphs (b)(2) and (b)(3) of this condition also apply.

(2) Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.

(3) When a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with paragraph (b)(1) of this condition at all other times.

(c) Emergency shutdown exemption. Open-ended valves or lines in an emergency shutdown system that are designed to open automatically in the event of a process upset are exempt from the requirements of paragraph (b) of this condition.

(d) Polymerizing materials exemption. Open-ended valves or lines containing materials that would autocatalytically polymerize or, would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system as specified in paragraph (b) of this condition are exempt from the requirements of paragraph (b) of this condition.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 127: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1034, Subpart UU

Item 127.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 127.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Compliance schedule. The owner or operator shall comply with this condition no later than the compliance date specified in the referencing subpart.

(b) Compliance standard. (1) Owners or operators routing emissions from equipment leaks to a fuel gas system or process shall comply with the provisions of 40 CFR Subpart SS, except as provided in Sec. 63.1002(b).

(2) Owners or operators of closed vent systems and control devices used to comply with the provisions of 40 CFR 63 Subpart UU shall comply with the provisions of 40 CFR Subpart SS and (b)(2)(i) through (b)(2)(iii) of this condition, except as provided in Sec. 63.1002(b).

(i) Nonflare control devices shall be designed and operated to reduce emissions of regulated material vented to them with an efficiency of 95 percent or greater, or to an exit concentration of 20 parts per million by volume, whichever is less stringent. The 20 parts per million by volume standard is not applicable to the provisions of Sec. 63.1016.

(ii) Enclosed combustion devices shall be designed and operated to reduce emissions of regulated material vented to them with an efficiency of 95 percent or greater, or to an exit concentration of 20 parts per million by volume, on a dry basis, corrected to 3 percent oxygen, whichever is less stringent, or to provide a minimum residence time

of 0.50 seconds at a minimum temperature of 760 deg. C (1400 deg. F).
(iii) Flares used to comply with the provisions of this subpart shall comply with the requirements of 40 CFR Subpart SS.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 128: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1035, Subpart UU

Item 128.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 128.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(a) Criteria. If, on a 6-month rolling average, at least the greater of either 10 percent of the pumps in a process unit or affected facility (or plant site) or three pumps in a process unit or affected facility (or plant site) leak, the owner or operator shall comply with the requirements specified in paragraphs (a)(1) and (a)(2) of this condition.
(1) Pumps that are in food and medical service or in polymerizing monomer service shall comply with all requirements except for those specified in paragraph (d)(8) of this condition.
(2) Pumps that are not in food and medical or polymerizing monomer service shall comply with all of the requirements of this condition.

(b) Exiting the QIP. The owner or operator shall comply with the requirements of this condition until the number of leaking pumps is less than the greater of either 10

percent of the pumps or three pumps, calculated as a 6-month rolling average, in the process unit or affected facility (or plant site). Once the performance level is achieved, the owner or operator shall comply with the requirements in Sec. 63.1026.

(c) Resumption of QIP. If, in a subsequent monitoring period, the process unit or affected facility (or plant site) has greater than either 10 percent of the pumps leaking or three pumps leaking (calculated as a 6-month rolling average), the owner or operator shall resume the quality improvement program starting at performance trials.

(d) QIP requirements. The quality improvement program shall meet the requirements specified in paragraphs (d)(1) through (d)(8) of this condition.

(1) The owner or operator shall comply with the requirements in Sec. 63.1026.

(2) Data collection. The owner or operator shall collect the data specified in paragraphs (d)(2)(i) through (d)(2)(v) of this condition and maintain records for each pump in each process unit or affected facility (or plant site) subject to the quality improvement program. The data may be collected and the records may be maintained on a process unit, affected facility, or plant site basis.

(i) Pump type (e.g., piston, horizontal or vertical centrifugal, gear, bellows); pump manufacturer; seal type and manufacturer; pump design (e.g., external shaft, flanged body); materials of construction; if applicable, barrier fluid or packing material; and year installed.

(ii) Service characteristics of the stream such as discharge pressure, temperature, flow rate, corrosivity, and annual operating hours.

(iii) The maximum instrument readings observed in each monitoring observation before repair, response factor for the stream if appropriate, instrument model number, and date of the observation.

(iv) If a leak is detected, the repair methods used and the instrument readings after repair.

(v) If the data will be analyzed as part of a larger analysis program involving data from other plants or other types of process units or affected facilities, a description of any maintenance or quality assurance programs used in the process unit or affected facility that are intended to improve emission performance.

(3) The owner or operator shall continue to collect data on the pumps as long as the process unit or affected facility (or plant site) remains in the quality improvement program.

(4) Pump or pump seal inspection. The owner or operator shall inspect all pumps or pump seals that

exhibited frequent seal failures and were removed from the process unit or affected facility due to leaks. The inspection shall determine the probable cause of the pump seal failure or of the pump leak and shall include recommendations, as appropriate, for design changes or changes in specifications to reduce leak potential.

(5)(i) Data analysis. The owner or operator shall analyze the data collected to comply with the requirements of paragraph (d)(2) of this condition to determine the services, operating or maintenance practices, and pump or pump seal designs or technologies that have poorer than average emission performance and those that have better than average emission performance. The analysis shall determine if specific trouble areas can be identified on the basis of service, operating conditions or maintenance practices, equipment design, or other process-specific factors.

(ii) The analysis shall also be used to determine if there are superior performing pump or pump seal technologies that are applicable to the service(s), operating conditions, or pump or pump seal designs

associated with poorer than average emission performance. A superior performing pump or pump seal technology is one with a leak frequency of less than 10 percent for specific applications in the process unit, affected facility, or plant site. A candidate superior performing pump or pump seal technology is one demonstrated or reported in the available literature or through a group study as having low emission performance and as being capable of achieving less than 10 percent leaking pumps in the process unit or affected facility (or plant site).

(iii) The analysis shall include consideration of the information specified in paragraphs (d)(5)(iii)(A) through (d)(5)(iii)(C) of this condition.

(A) The data obtained from the inspections of pumps and pump seals removed from the process unit or affected facility due to leaks;

(B) Information from the available literature and from the experience of other plant sites that will identify pump designs or technologies and operating conditions associated with low emission performance for specific services; and

(C) Information on limitations on the service conditions for the pump seal technology operating conditions as well as information on maintenance procedures to ensure continued low emission performance.

(iv) The data analysis may be conducted through an inter- or intra-company program (or through some combination of the two approaches) and may be for a single process unit, a plant site, a company, or a group of process units.

(v) The first analysis of the data shall be completed no later than 18 months after the start of the quality improvement program. The first analysis shall be performed using data collected for a minimum of 6 months. An analysis of the data shall be done each year the process unit or affected facility is in the quality improvement program.

(6) Trial evaluation program. A trial evaluation program shall be conducted at each plant site for which the data analysis does not identify use of superior performing pump seal technology or pumps that can be applied to the areas identified as having poorer than average performance, except as provided in paragraph (d)(6)(v) of this condition. The trial program shall be used to evaluate the feasibility of using in the process unit or affected facility (or plant site) the pump designs or seal technologies, and operating and maintenance practices that have been identified by others as having low emission performance.

(i) The trial evaluation program shall include on-line trials of pump seal technologies or pump designs and operating and maintenance practices that have been identified in the available literature or in analysis by others as having the ability to perform with leak rates below 10 percent in similar services, as having low probability of failure, or as having no external actuating mechanism in contact with the process fluid. If any of the candidate superior performing pump seal technologies or pumps is not included in the performance trials, the reasons for rejecting specific technologies from consideration shall be documented as required in paragraph (e)(3)(ii) of this condition.

(ii) The number of pump seal technologies or pumps in the trial evaluation program shall be the lesser of 1 percent or two pumps for programs involving single process units or affected facilities and the lesser of 1 percent or five pumps for programs involving a plant site or groups of process units or affected facilities. The minimum number of pumps or pump seal technologies in a trial program shall be one.

(iii) The trial evaluation program shall specify and include documentation of the information specified in paragraphs (d)(6)(iii)(A) through (d)(6)(iii)(D) of this condition.

(A) The candidate superior performing pump seal designs or technologies to be evaluated, the stages for evaluating the identified candidate pump designs or pump seal technologies, including the time period necessary to test the applicability;

(B) The frequency of monitoring or inspection of the equipment;

(C) The range of operating conditions over which the

component will be evaluated; and

(D) Conclusions regarding the emission performance and the appropriate operating conditions and services for the trial pump seal technologies or pumps.

(iv) The performance trials shall initially be conducted, at least, for a 6-month period beginning not later than 18 months after the start of the quality improvement program. No later than 24 months after the start of the quality improvement program, the owner or operator shall have identified pump seal technologies or pump designs that, combined with appropriate process, operating, and maintenance practices, operate with low emission performance for specific applications in the process unit or affected facility. The owner or operator shall continue to conduct performance trials as long as no superior performing design or technology has been identified, except as provided in paragraph (d)(6)(vi) of this condition. The initial list of superior emission performance pump designs or pump seal technologies shall be amended in the future, as appropriate, as additional information and experience are obtained.

(v) Any plant site with fewer than 400 valves and owned by a corporation with fewer than 100 employees shall be exempt from trial evaluations of pump seals or pump designs. Plant sites exempt from the trial evaluations of pumps shall begin the pump seal or pump replacement program at the start of the fourth year of the quality improvement program.

(vi) An owner or operator who has conducted performance trials on all alternative superior emission performance technologies suitable for the required applications in the process unit or affected facility may stop conducting performance trials provided that a superior performing design or technology has been demonstrated or there are no technically feasible alternative superior technologies remaining. The owner or operator shall prepare an engineering evaluation documenting the physical, chemical, or engineering basis for the judgment that the superior emission performance technology is technically infeasible or demonstrating that it would not reduce emissions.

(7) Quality assurance program. Each owner or operator shall prepare and implement a pump quality assurance program that details purchasing specifications and maintenance procedures for all pumps and pump seals in the process unit or affected facility. The quality assurance program may establish any number of categories, or classes, of pumps as needed to distinguish among operating conditions and services associated with poorer than average emission performance as well as those associated with better than average emission performance. The quality

assurance program shall be developed considering the findings of the data analysis required under paragraph (d)(5) of this condition; and, if applicable, the findings of the trial evaluation required in paragraph (d)(6) of this condition; and the operating conditions in the process unit or affected facility. The quality assurance program shall be updated each year as long as the process unit or affected facility has the greater of either 10 percent or more leaking pumps or has three leaking pumps.

(i) The quality assurance program shall meet the requirements specified in paragraphs (d)(7)(i)(A) through (d)(7)(i)(D) of this condition.

(A) Establish minimum design standards for each category of pumps or pump seal technology. The design standards shall specify known critical parameters such as tolerance, manufacturer, materials of construction, previous usage, or other applicable identified critical parameters;

(B) Require that all equipment orders specify the design standard (or minimum tolerances) for the pump or the pump seal;

(C) Provide for an audit procedure for quality control of purchased equipment to ensure conformance with purchase specifications. The audit program may be conducted by the owner or operator of the plant site or process unit or affected facility, or by a designated representative; and

(D) Detail off-line pump maintenance and repair procedures. These procedures shall include provisions to ensure that rebuilt or refurbished pumps and pump seals will meet the design specifications for the pump category and will operate so that emissions are minimized.

(ii) The quality assurance program shall be established no later than the start of the third year of the quality improvement program for plant sites with 400 or more valves or 100 or more employees; and no later than the start of the fourth year of the quality improvement program for plant sites with less than 400 valves and less than 100 employees.

(8) Pump or pump seal replacement. Three years after the start of the quality improvement program for plant sites with 400 or more valves or 100 or more employees and at the start of the fourth year of the quality improvement program for plant sites with less than 400 valves and less than 100 employees, the owner or operator shall replace, as described in paragraphs (d)(8)(i) and (d)(8)(ii) of this condition, the pumps or pump seals that are not superior emission performance technology with pumps or pump seals that have been identified as superior emission performance technology and that comply with the quality assurance standards for the pump category. Superior

emission performance technology is that category or design of pumps or pump seals with emission performance that when combined with appropriate process, operating, and maintenance practices, will result in less than 10 percent leaking pumps for specific applications in the process unit, affected facility, or plant site. Superior emission performance technology includes material or design changes to the existing pump, pump seal, seal support system, installation of multiple mechanical seals or equivalent, or pump replacement.

(i) Pumps or pump seals shall be replaced at the rate of 20 percent per year based on the total number of pumps in light liquid service. The calculated value shall be rounded to the nearest nonzero integer value. The minimum number of pumps or pump seals shall be one. Pump replacement shall continue until all pumps subject to the requirements of Sec. 63.1026 are pumps determined to be superior performance technology.

(ii) The owner or operator may delay replacement of pump seals or pumps with superior technology until the next planned process unit or affected facility shutdown, provided the number of pump seals and pumps replaced is equivalent to the 20 percent or greater annual replacement rate.

(iii) The pumps shall be maintained as specified in the quality assurance program.

(e) QIP recordkeeping. In addition to the records required by paragraph (d)(2) of this condition, the owner or operator shall maintain records for the period of the quality improvement program for the process unit or affected facility as specified in paragraphs (e)(1) through (e)(6) of this condition.

(1) When using a pump quality improvement program as specified in this condition, record the information specified in paragraphs (e)(1)(i) through (e)(1)(iii) of this condition.

(i) The rolling average percent leaking pumps.

(ii) Documentation of all inspections conducted under the requirements of paragraph (d)(4) of this condition, and any recommendations for design or specification changes to reduce leak frequency.

(iii) The beginning and ending dates while meeting the requirements of paragraph (d) of this condition.

(2) If a leak is not repaired within 15 calendar days after discovery of the leak, the reason for the delay and the expected date of successful repair.

(3) Records of all analyses required in paragraph (d) of this condition. The records will include the information specified in paragraphs (e)(3)(i) through (e)(3)(iv) of this condition.

(i) A list identifying areas associated with poorer

than average performance and the associated service characteristics of the stream, the operating conditions and maintenance practices.

(ii) The reasons for rejecting specific candidate superior emission performing pump technology from performance trials.

(iii) The list of candidate superior emission performing valve or pump technologies, and documentation of the performance trial program items required under paragraph (d)(6)(iii) of this condition.

(iv) The beginning date and duration of performance trials of each candidate superior emission performing technology.

(4) All records documenting the quality assurance program for pumps as specified in paragraph (d)(7) of this condition, including records indicating that all pumps replaced or modified during the period of the quality improvement program are in compliance with the quality assurance.

(5) Records documenting compliance with the 20 percent or greater annual replacement rate for pumps as specified in paragraph (d)(8) of this condition.

(6) Information and data to show the corporation has fewer than 100 employees, including employees providing professional and technical contracted services.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 129: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1036, Subpart UU

Item 129.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 129.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) General requirement. As an alternative to complying with the requirements of Secs. 63.1025 through 63.1033 and Sec. 63.1035, an owner or operator of a batch process that operates in regulated material
service during the calendar year may comply with one of the standards specified in paragraphs (b) and (c) of this condition, or the owner or operator may petition for approval of an alternative standard under the provisions of Sec. 63.1021(b). The alternative standards of this condition provide the options of pressure testing or monitoring the equipment for leaks. The owner or operator may switch among the alternatives provided the change is documented as specified in paragraph (b)(7) of this condition.

(b) Pressure testing of the batch equipment. The following requirements shall be met if an owner or operator elects to use pressure testing of batch product-process equipment to demonstrate compliance with 40 CFR 63 Subpart UU.

(1) Reconfiguration. Each time equipment is reconfigured for production of a different product or intermediate, the batch product-process equipment train shall be pressure-tested for leaks before regulated material is first fed to the equipment and the equipment is placed in regulated material service.

(i) When the batch product-process equipment train is reconfigured to produce a different product, pressure testing is required only for the new or disturbed equipment.

(ii) Each batch product process that operates in regulated material service during a calendar year shall be pressure-tested at least once during that calendar year.

(iii) Pressure testing is not required for routine seal breaks, such as changing hoses or filters, that are not part of the reconfiguration to produce a different product or intermediate.

(2) Testing procedures. The batch product process equipment shall be tested either using the procedures specified in paragraph (b)(5) of this condition for pressure vacuum loss or with a liquid using the procedures specified in paragraph (b)(6) of this condition.

(3) Leak detection. (i) For pressure or vacuum tests using a gas, a leak is detected if the rate of change in pressure is greater than 6.9 kilopascals (1 pound per square inch gauge) in 1 hour or if there is visible, audible, or olfactory evidence of fluid loss.

(ii) For pressure tests using a liquid, a leak is detected if there are indications of liquids dripping or if there is other evidence of fluid loss.

(4) Leak repair. (i) If a leak is detected, it shall

be repaired and the batch product-process equipment shall be retested before start-up of the process.

(ii) If a batch product-process fails the retest (the second of two consecutive pressure tests), it shall be repaired as soon as practical, but not later than 30 calendar days after the second pressure test except as specified in paragraph (e) of this condition.

(5) Gas pressure test procedure for pressure or vacuum loss. The procedures specified in paragraphs (b)(5)(i) through (b)(5)(v) of this condition shall be used to pressure test batch product-process equipment for pressure or vacuum loss to demonstrate compliance with the requirements of paragraph (b)(3)(i) of this condition.

(i) The batch product-process equipment train shall be pressurized with a gas to a pressure less than the set pressure of any safety relief devices or valves or to a pressure slightly above the operating pressure of the equipment, or alternatively the equipment shall be placed under a vacuum.

(ii) Once the test pressure is obtained, the gas source or vacuum source shall be shut off.

(iii) The test shall continue for not less than 15 minutes unless it can be determined in a shorter period of time that the allowable rate of pressure drop or of pressure rise was exceeded. The pressure in the batch product-process equipment shall be measured after the gas or vacuum source is shut off and at the end of the test period. The rate of change in pressure in the batch product-process equipment shall be calculated using the following equation:

Delta(P/t) = (|Pf - Pi|)/(tf - ti) [Eq. 5]

Where:

Delta(P/t) = Change in pressure, pounds per square inch gauge per hour.
Pf = Final pressure, pounds per square inch gauge.
Pi = Initial pressure, pounds per square inch gauge.
tf - ti = Elapsed time, hours.

(iv) The pressure shall be measured using a pressure measurement device (gauge, manometer, or equivalent) that has a precision of ±2.5 millimeter mercury (0.10 inch of mercury) in the range of test pressure and is capable of measuring pressures up to the relief set pressure of the pressure relief device. If such a pressure measurement device is not reasonably available, the owner or operator shall use a pressure measurement device with a precision of at least ±10 percent of the test pressure of the

equipment and shall extend the duration of the test for the time necessary to detect a pressure loss or rise that equals a rate of 1 pound per square inch gauge per hour (7 kilopascals per hour).

(v) An alternative procedure may be used for leak testing the equipment if the owner or operator demonstrates the alternative procedure is capable of detecting a pressure loss or rise.

(6) Pressure test procedure using test liquid. The procedures specified in paragraphs (b)(6)(i) through (b)(6)(iv) of this condition shall be used to pressure-test batch product-process equipment using a liquid to demonstrate compliance with the requirements of paragraph (b)(3)(ii) of this condition.

(i) The batch product-process equipment train, or section of the equipment train, shall be filled with the test liquid (e.g., water, alcohol) until normal operating pressure is obtained. Once the equipment is filled, the liquid source shall be shut off.

(ii) The test shall be conducted for a period of at least 60 minutes, unless it can be determined in a shorter period of time that the test is a failure.

(iii) Each seal in the equipment being tested shall be inspected for indications of liquid dripping or other indications of fluid loss. If there are any indications of liquids dripping or of fluid loss, a leak is detected.

(iv) An alternative procedure may be used for leak testing the equipment, if the owner or operator demonstrates the alternative procedure is capable of detecting losses of fluid.

(7) Pressure testing recordkeeping. The owner or operator of a batch product process who elects to pressure test the batch product process equipment train to demonstrate compliance with this subpart shall maintain records of the information specified in paragraphs (b)(7)(i) through (b)(7)(v) of this condition.

(i) The identification of each product, or product code, produced during the calendar year. It is not necessary to identify individual items of equipment in a batch product process equipment train.

(ii) Physical tagging of the equipment to identify that it is in regulated material service and subject to the provisions of 40 CFR 63 Subpart UU is not required. Equipment in a batch product process subject to the provisions of this subpart UU may be identified on a plant site plan, in log entries, or by other appropriate methods.

(iii) The dates of each pressure test required in paragraph (b) of this condition, the test pressure, and the pressure drop observed during the test.

(iv) Records of any visible, audible, or olfactory evidence of fluid loss.

(v) When a batch product process equipment train does not pass two consecutive pressure tests, the information specified in paragraphs (b)(7)(v)(A) through (b)(7)(v)(E) of this condition shall be recorded in a log and kept for 2 years:

(A) The date of each pressure test and the date of each leak repair attempt.

(B) Repair methods applied in each attempt to repair the leak.

(C) The reason for the delay of repair.

(D) The expected date for delivery of the replacement equipment and the actual date of delivery of the replacement equipment; and

(E) The date of successful repair.

(c) Equipment monitoring. The following requirements shall be met if an owner or operator elects to monitor the equipment in a batch process to detect leaks by the method specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c), to demonstrate compliance with Subpart UU.

(1) The owner or operator shall comply with the requirements of Secs. 63.1025 through 63.1035 as modified by paragraphs (c)(2) through (c)(4) of this condition.

(2) The equipment shall be monitored for leaks by the method specified in Sec. 63.1023(b) and, as applicable, Sec. 63.1023(c), when the equipment is in regulated material service or is in use with any other detectable material.

(3) The equipment shall be monitored for leaks as specified in paragraphs (c)(3)(i) through (c)(3)(iv) of this condition.

(i) Each time the equipment is reconfigured for the production of a new product, the reconfigured equipment shall be monitored for leaks within 30 days of start-up of the process. This initial monitoring of reconfigured equipment shall not be included in determining percent leaking equipment in the process unit or affected facility.

(ii) Connectors shall be monitored in accordance with the requirements in Sec. 63.1027.

(iii) Equipment other than connectors shall be monitored at the frequencies specified in table 1 to Subpart UUt. The operating time shall be determined as the proportion of the year the batch product-process that is subject to the provisions of subpart UU is operating.

(iv) The monitoring frequencies specified in paragraph (c)(3)(iii) of this condition are not requirements for monitoring at specific intervals and can be adjusted to accommodate process operations. An owner or operator may monitor anytime during the specified monitoring period (e.g., month, quarter, year), provided the monitoring is conducted at a reasonable interval after completion of the

last monitoring campaign. For example, if the equipment is not operating during the scheduled monitoring period, the monitoring can be done during the next period when the process is operating.

(4) If a leak is detected, it shall be repaired as soon as practical but not later than 15 calendar days after it is detected, except as provided in paragraph (e) of this condition.

(d) Added equipment recordkeeping. (1) For batch product-process units or affected facilities that the owner or operator elects to monitor as provided under paragraph (c) of this condition, the owner or operator shall prepare a list of equipment added to batch product rocess units or affected facilities since the last monitoring period required in paragraphs (c)(3)(ii) and (c)(3)(iii) of this condition.

(2) Maintain records demonstrating the proportion of the time during the calendar year the equipment is in use in a batch process that is subject to the provisions of this subpart. Examples of suitable documentation are records of time in use for individual pieces of equipment or average time in use for the process unit or affected facility. These records are not required if the owner or operator does not adjust monitoring frequency by the time in use, as provided in paragraph (c)(3)(iii) of this condition.

(3) Record and keep pursuant to the referencing subpart and subpart UU, the date and results of the monitoring required in paragraph (c)(3)(i) of this condition for equipment added to a batch product-process

unit or affected facility since the last monitoring period required in paragraphs (c)(3)(ii) and (c)(3)(iii) of this condition. If no leaking equipment is found during this monitoring, the owner or operator shall record that the inspection was performed. Records of the actual monitoring results are not required.

(e) Delay of repair. Delay of repair of equipment for which leaks have been detected is allowed if the replacement equipment is not available providing the conditions specified in paragraphs (e)(1) and (e)(2) of this condition are met.

(1) Equipment supplies have been depleted and supplies had been sufficiently stocked before the supplies were depleted.

(2) The repair is made no later than 10 calendar days after delivery of the replacement equipment.

(f) Periodic report contents. For owners or operators electing to meet the requirements of paragraph (b) of this

condition, the Periodic Report to be filed pursuant to Sec. 63.1039(b) shall include the information listed in paragraphs (f)(1) through (f)(4) of this condition for each process unit.
(1) Batch product process equipment train identification;
(2) The number of pressure tests conducted;
(3) The number of pressure tests where the equipment train failed
the pressure test; and
(4) The facts that explain any delay of repairs.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 130: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1037, Subpart UU

Item 130.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 130.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(a) Use of closed vent system and control device. Process units or affected facilities or portions of process units at affected facilities enclosed in such a manner that all emissions from equipment leaks are vented through a closed vent system to a control device or routed to a fuel gas system or process meeting the requirements of Sec. 63.1034 are exempt from the requirements of Secs. 63.1025 through 63.1033 and 63.1035. The enclosure shall be maintained under a negative pressure at all times while the process unit or affected facility is in operation to ensure that all emissions are routed to a control device.

(b) Recordkeeping. Owners and operators choosing to comply with the requirements of this condition shall maintain the records specified in paragraphs (b)(1) through (b)(3) of this condition.
(1) Identification of the process unit(s) or affected facilities and the regulated materials they handle.
(2) A schematic of the process unit or affected facility, enclosure, and closed vent system.
(3) A description of the system used to create a negative pressure in the enclosure to ensure that all emissions are routed to the control device.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 131: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1038, Subpart UU

Item 131.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00004
Process: 014

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 012

Emission Unit: 0-00006
Process: 013

Item 131.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(a) Recordkeeping system. An owner or operator of more than one regulated source subject to the provisions of this subpart may comply with the recordkeeping requirements for these regulated sources in one recordkeeping system. The recordkeeping system shall identify each record by regulated source and the type of program being implemented (e.g., quarterly monitoring, quality improvement) for each type of equipment. The records required by this subpart are summarized in paragraphs (b) and (c) of this condition.

(b) General equipment leak records. (1) As specified in

Sec. 63.1022(a) and (b), the owner or operator shall keep general and specific equipment identification if the equipment is not physically tagged and the owner or operator is electing to identify the equipment subject to subpart UU through written documentation such as a log or other designation.

(2) The owner or operator shall keep a written plan as specified in Sec. 63.1022(c)(4) for any equipment that is designated as unsafe- or difficult-to-monitor.

(3) The owner or operator shall maintain a record of the identity and an explanation as specified in Sec. 63.1022(d)(2) for any equipment that is designated as unsafe-to-repair.

(4) As specified in Sec. 63.1022(e), the owner or operator shall maintain the identity of compressors operating with an instrument reading of less than 500 parts per million.

(5) The owner or operator shall keep records associated with the determination that equipment is in heavy liquid service as specified in Sec. 63.1022(f).

(6) The owner or operator shall keep records for leaking equipment as specified in Sec. 63.1023(e)(2).

(7) The owner or operator shall keep records for leak repair as specified in Sec. 63.1024(f) and records for delay of repair as specified in Sec. 63.1024(d).

(c) Specific equipment leak records. (1) For valves, the owner or operator shall maintain the records specified in paragraphs (c)(1)(i) and (c)(1)(ii) of this condition.

(i) The monitoring schedule for each process unit as specified in Sec. 63.1025(b)(3)(vi).

(ii) The valve subgrouping records specified in Sec. 63.1025(b)(4)(iv), if applicable.

(2) For pumps, the owner or operator shall maintain the records specified in paragraphs (c)(2)(i) through (c)(2)(iii) of this condition.

(i) Documentation of pump visual inspections as specified in Sec. 63.1026(b)(4).

(ii) Documentation of dual mechanical seal pump visual inspections as specified in Sec. 63.1026(e)(1)(v).

(iii) For the criteria as to the presence and frequency of drips for dual mechanical seal pumps, records of the design criteria and explanations and any changes and the reason for the changes, as specified in Sec. 63.1026(e)(1)(i).

(3) For connectors, the owner or operator shall maintain the monitoring schedule for each process unit as specified in Sec. 63.1027(b)(3)(v).

(4) For agitators, the owner or operator shall maintain the following records:

(i) Documentation of agitator seal visual inspections as specified in Sec. 63.1028; and

(ii) For the criteria as to the presence and frequency of drips for agitators, the owner or operator shall keep records of the design criteria and explanations and any changes and the reason for the changes, as specified in Sec. 63.1028(e)(1)(vi).

(5) For pressure relief devices in gas and vapor or light liquid service, the owner or operator shall keep records of the dates and results of monitoring following a pressure release, as specified in Sec. 63.1030(c)(3).

(6) For compressors, the owner or operator shall maintain the records specified in paragraphs (c)(6)(i) and (c)(6)(ii) of this condition.

(i) For criteria as to failure of the seal system and/or the barrier fluid system, record the design criteria and explanations and any changes and the reason for the changes, as specified in Sec. 63.1031(d)(2).

(ii) For compressors operating under the alternative compressor standard, record the dates and results of each compliance test as specified in Sec. 63.1031(f)(2).

(7) For a pump QIP program, the owner or operator shall maintain the records specified in paragraphs (c)(7)(i) through (c)(7)(v) of this condition.

(i) Individual pump records as specified in Sec. 63.1035(d)(2).

(ii) Trial evaluation program documentation as specified in Sec. 63.1035(d)(6)(iii).

(iii) Engineering evaluation documenting the basis for judgement that superior emission performance technology is not applicable as specified in Sec. 63.1035(d)(6)(vi).

(iv) Quality assurance program documentation as specified in Sec. 63.1035(d)(7).

(v) QIP records as specified in Sec. 63.1035(e).

(8) For process units complying with the batch process unit alternative, the owner or operator shall maintain the records specified in paragraphs (c)(8)(i) and (c)(8)(ii) of this condition.

(i) Pressure test records as specified in Sec. 63.1036(b)(7).

(ii) Records for equipment added to the process unit as specified in Sec. 63.1036(d).

(9) For process units complying with the enclosed-vented process unit alternative, the owner or operator shall maintain the records for enclosed-vented process units as specified in Sec. 63.1037(b).

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 132: Reporting requirements
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1039, Subpart UU

Item 132.1:
This Condition applies to:

Emission Unit: 000004
Process: 014

Emission Unit: 000004
Process: 015

Emission Unit: 000006
Process: 012

Emission Unit: 000006
Process: 013

Item 132.2:
(a) Initial Compliance Status Report. Each owner or operator shall submit an Initial Compliance Status Report according to the procedures in the referencing subpart. The notification shall include the information listed in paragraphs (a)(1) through (a)(3) of this condition, as applicable.

(1) The notification shall provide the information listed in paragraphs (a)(1)(i) through (a)(1)(iv) of this condition for each process unit or affected facility subject to the requirements of 40 CFR 63 subpart UU.

(i) Process unit or affected facility identification.

(ii) Number of each equipment type (e.g., valves, pumps) excluding equipment in vacuum service.

(iii) Method of compliance with the standard (e.g., ``monthly leak detection and repair'' or ``equipped with dual mechanical seals'').

(iv) Planned schedule for requirements in Secs. 63.1025 and 63.1026.

(2) The notification shall provide the information listed in paragraphs (a)(2)(i) and (a)(2)(ii) of this condition for each process unit or affected facility subject to the requirements of Sec. 63.1036(b).

(i) Batch products or product codes subject to the provisions of subpart UU, and

(ii) Planned schedule for pressure testing when equipment is configured for production of products subject to the provisions of subpart UU.

(3) The notification shall provide the information listed in paragraphs (a)(3)(i) and (a)(3)(ii) of this condition for each process unit or affected facility subject to the requirements in Sec. 63.1037.

(i) Process unit or affected facility identification.

(ii) A description of the system used to create a negative pressure in the enclosure and the control device used to comply with the requirements of Sec. 63.1034 of Subpart UU.

(b) Periodic Reports. The owner or operator shall report the information specified in paragraphs (b)(1) through (b)(8) of this condition, as applicable, in the Periodic Report specified in the referencing subpart.

(1) For the equipment specified in paragraphs (b)(1)(i) through (b)(1)(v) of this condition, report in a summary format by equipment type, the number of components for which leaks were detected and for valves, pumps and connectors show the percent leakers, and the total number of components monitored. Also include the number of leaking components that were not repaired as required by Sec. 63.1024, and for valves and connectors, identify the number of components that are determined by
Sec. 63.1025(c)(3) to be nonrepairable.

(i) Valves in gas and vapor service and in light liquid service pursuant to Sec. 63.1025(b) and (c).
(ii) Pumps in light liquid service pursuant to Sec. 63.1026(b) and (c).
(iii) Connectors in gas and vapor service and in light liquid service pursuant to Sec. 63.1027(b) and (c).
(iv) Agitators in gas and vapor service and in light liquid service pursuant to Sec. 63.1028(c).
(v) Compressors pursuant to Sec. 63.1031(d).
(2) Where any delay of repair is utilized pursuant to Sec. 63.1024(d), report that delay of repair has occurred and report the number of instances of delay of repair.
(3) If applicable, report the valve subgrouping information specified in Sec. 63.1025(b)(4)(iv).
(4) For pressure relief devices in gas and vapor service pursuant to Sec. 63.1030(b) and for compressors pursuant to Sec. 63.1031(f) that are to be operated at a leak detection instrument reading of less than 500 parts per million, report the results of all monitoring to show compliance conducted within the semiannual reporting period.
(5) Report, if applicable, the initiation of a monthly monitoring program for valves pursuant to Sec. 63.1025(b)(3)(i).
(6) Report, if applicable, the initiation of a quality improvement program for pumps pursuant to Sec. 63.1035.
(7) Where the alternative means of emissions limitation for batch processes is utilized, report the information listed in Sec. 63.1036(f).
(8) Report the information listed in paragraph (a) of this condition for the Initial Compliance Status Report for process units or affected facilities with later compliance dates. Report any revisions to items
reported in an earlier Initial Compliance Status Report if the method of compliance has changed since the last report.

Condition 133: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2480, Subpart FFFF

Item 133.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00002
Process: 008

Emission Unit: 0-00004
Process: 015

Emission Unit: 0-00006
Process: 013

Item 133.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(a) You must meet each requirement in table 6 to this subpart that applies to your equipment leaks, except as

specified in paragraphs (b) through (d) of this section.

(b) If you comply with either subpart H or subpart UU of this part 63, you may elect to comply with the provisions in paragraphs (b)(1) through (5) of this section as an alternative to the referenced provisions in subpart H or subpart UU of this part.

(1) The requirements for pressure testing in §63.179(b) or §63.1036(b) may be applied to all processes, not just batch processes.

(2) For the purposes of this subpart, pressure testing for leaks in accordance with §63.179(b) or §63.1036(b) is not required after reconfiguration of an equipment train if flexible hose connections are the only disturbed equipment.

(3) For an existing source, you are not required to develop an initial list of identification numbers for connectors as would otherwise be required under §63.1022(b)(1) or §63.181(b)(1)(i).

(4) For connectors in gas/vapor and light liquid service at an existing source, you may elect to comply with the requirements in §63.169 or §63.1029 for connectors in heavy liquid service, including all associated recordkeeping and reporting requirements, rather than the requirements of §63.174 or §63.1027.

(5) For pumps in light liquid service in an MCPU that has no continuous process vents and is part of an existing source, you may elect to consider the leak definition that defines a leak to be 10,000 parts per million (ppm) or greater as an alternative to the values specified in §63.1026(b)(2)(i) through (iii) or §63.163(b)(2).

(c) If you comply with 40 CFR part 65, subpart F, you may elect to comply with the provisions in paragraphs (c)(1) through (9) of this section as an alternative to the referenced provisions in 40 CFR part 65, subpart F.

(1) The requirements for pressure testing in §65.117(b) may be applied to all processes, not just batch processes.

(2) For the purposes of this subpart, pressure testing for leaks in accordance with §65.117(b) is not required after reconfiguration of an equipment train if flexible hose connections are the only disturbed equipment.

(3) For an existing source, you are not required to develop an initial list of identification numbers for connectors as would otherwise be required under §65.103(b)(1).

(4) You may elect to comply with the monitoring and repair requirements specified in §65.108(e)(3) as an alternative to the requirements specified in §65.108(a) through (d) for any connectors at your affected source.

(5) For pumps in light liquid service in an MCPU that has no continuous process vents and is part of an existing source, you may elect to consider the leak definition that defines a leak to be 10,000 ppm or greater as an alternative to the values specified in §65.107(b)(2)(i) through (iii).

(6) When 40 CFR part 65, subpart F refers to the implementation date specified in §65.1(f), it means the compliance date specified in §63.2445.

(7) When §§65.105(f) and 65.117(d)(3) refer to §65.4, it means §63.2525.

(8) When §65.120(a) refers to §65.5(d), it means §63.2515.

(9) When §65.120(b) refers to §65.5(e), it means §63.2520.

(d) The provisions of this section do not apply to bench-scale processes, regardless of whether the processes are located at the same plant site as a process subject to the provisions of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 134: Heat exchanger requirements
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2490, Subpart FFFF

Item 134.1:
This Condition applies to:

Emission Unit: 000002
Process: 010

Emission Unit: 000006
Process: 013

Item 134.2:
(a) 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.
(b) The phrase "a chemical manufacturing process unit meeting the conditions of §63.100 (b)(1) through (b)(3) of this section" in §63.104(a) means "an MCPU meeting the conditions of §63.2435" for the purposes of this subpart.
(c) The reference to §63.100(c) in §63.104(a) does not apply for the purposes of this subpart.

Condition 2-3: Compliance Certification
Effective between the dates of 08/16/2018 and 05/31/2021

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

Item 2-3.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00006
Process: 042 Emission Source: 939TO

Emission Unit: 0-00006
Process: 042 Emission Source: TT001

Item 2-3.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
For compliance with the provisions of 40 CFR 63.1408(b), install thermocouple equipment with a continuous recorder to monitor the combustion chamber temperature of the Regenerative Thermal Oxidizer (RTO) control device. An operating parameter limit (OPL) of 1540 degrees F was established based on an emission test of the RTO. The emission report of that test was submitted for approval on October 12, 2016 and subsequently approved.

Compliance with this requirement will also meet VOC RACT control requirements for Thinning Tank 1.
Other Non-NESHAP sources and or processes connected to the RTO can be evaluated and approved by the Department for meeting VOC RACT limits as needed.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1540 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 135: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.6640(f), Subpart ZZZZ

Item 135.1:
The Compliance Certification activity will be performed for the Facility.

Item 135.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an emergency stationary RICE must operate the emergency stationary RICE according to the requirements in 40 CFR 63.6640(f)(1) through (4). In order for the engine to be considered an emergency stationary RICE under subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR 63.6640(f)(1) through (4), is prohibited. If the owner or operator does not operate the engine according to the requirements in 40 CFR 63.6640(f)(1) through (4), the engine will not be considered an emergency engine under subpart ZZZZ and must meet all requirements for non-emergency engines.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 136: Emission Point Definition By Emission Unit
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 136.1(From Mod 2):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-00006

Emission Point: 00832
Height (ft.): 68 Diameter (in.): 58
NYTMN (km.): 4745.635 NYTME (km.): 579.907

Item 136.2(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-00001

Emission Point: 00019
Height (ft.): 55 Diameter (in.): 42
NYTMN (km.): 4745.928 NYTME (km.): 579.687 Building: BLD27

Emission Point: 00020
Height (ft.): 55 Diameter (in.): 42
NYTMN (km.): 4745.928 NYTME (km.): 579.688 Building: BLD27

Emission Point: 00220
Height (ft.): 50 Diameter (in.): 42
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD9

Emission Point: 00223
Height (ft.): 50 Diameter (in.): 30
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD9

Emission Point: 00224
Height (ft.): 50 Diameter (in.): 30
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD9

Emission Point: 00225
Height (ft.): 50 Diameter (in.): 42
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD9

Emission Point: 00281
Height (ft.): 20 Diameter (in.): 12
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39

Emission Point: 00282
Height (ft.): 40 Diameter (in.): 16
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD9

Emission Point: 00490
Height (ft.): 55 Diameter (in.): 48
NYTMN (km.): 4745.929 NYTME (km.): 579.688 Building: BLD27

Emission Point: 00534
Height (ft.): 23 Diameter (in.): 24
NYTMN (km.): 4745.887 NYTME (km.): 579.609 Building: P300 PAD

Item 136.3(From Mod 0):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-00002

Emission Point: 00130
Height (ft.): 25 Diameter (in.): 3
NYTMN (km.): 4745.94 NYTME (km.): 579.517 Building: TANK FARM1

Emission Point: 00501
Height (ft.): 35 Diameter (in.): 4
NYTMN (km.): 4745.942 NYTME (km.): 579.519 Building: TANK FARM1

Emission Point: 00502
Height (ft.): 36 Diameter (in.): 4
NYTMN (km.): 4745.934 NYTME (km.): 579.519 Building: TANK FARM1

Emission Point: 00503
Height (ft.): 16 Diameter (in.): 2
NYTMN (km.): 4745.941 NYTME (km.): 579.523 Building: TANK FARM2

Emission Point: 00504
Height (ft.): 18 Diameter (in.): 2
NYTMN (km.): 4745.941 NYTME (km.): 579.51 Building: TANK FARM2

Emission Point: 00505
Height (ft.): 18 Diameter (in.): 2
NYTMN (km.): 4745.932 NYTME (km.): 579.512 Building: TANK FARM2

Emission Point: 00506
Height (ft.): 17 Diameter (in.): 2
NYTMN (km.): 4745.948 NYTME (km.): 579.514 Building: TANK FARM2

Emission Point: 00507
Height (ft.): 18 Diameter (in.): 2
NYTMN (km.): 4745.946 NYTME (km.): 579.524 Building: TANK FARM2

Emission Point: 00508
Height (ft.): 18 Diameter (in.): 2
NYTMN (km.): 4745.936 NYTME (km.): 579.503 Building: TANK FARM2

Emission Point: 00509
Height (ft.): 18 Diameter (in.): 2
NYTMN (km.): 4745.953 NYTME (km.): 579.52 Building: TANK FARM2

Emission Point: 00510
Height (ft.): 26 Diameter (in.): 3
NYTMN (km.): 4745.938 NYTME (km.): 579.493 Building: TANK FARM2

Emission Point: 00511
Height (ft.): 26 Diameter (in.): 3
NYTMN (km.): 4745.946 NYTME (km.): 579.499 Building: TANK FARM2

Emission Point: 00512
Height (ft.): 17 Diameter (in.): 2
NYTMN (km.): 4745.95 NYTME (km.): 579.503 Building: TANK FARM2

Emission Point: 00513
Height (ft.): 46 Diameter (in.): 3
NYTMN (km.): 4745.957 NYTME (km.): 579.505 Building: TANK FARM2

Emission Point: 00514
Height (ft.): 46 Diameter (in.): 3
NYTMN (km.): 4745.962 NYTME (km.): 579.511 Building: TANK FARM2

Emission Point: 00515
Height (ft.): 17 Diameter (in.): 3
NYTMN (km.): 4745.883 NYTME (km.): 579.602 Building: P300 PAD

Emission Point: 00517
Height (ft.): 40 Diameter (in.): 6
NYTMN (km.): 4745.944 NYTME (km.): 579.488 Building: TANK FARM1

Emission Point: 00518
Height (ft.): 40 Diameter (in.): 6
NYTMN (km.): 4745.95 NYTME (km.): 579.49 Building: TANK FARM1

Emission Point: 00519
Height (ft.): 4 Diameter (in.): 6
NYTMN (km.): 4745.954 NYTME (km.): 579.494 Building: TANK FARM1

Emission Point: 00520
Height (ft.): 29 Diameter (in.): 4
NYTMN (km.): 4745.962 NYTME (km.): 579.498 Building: TANK FARM1

Emission Point: 00526
Height (ft.): 34 Diameter (in.): 10
NYTMN (km.): 4745.884 NYTME (km.): 579.597 Building: P300 PAD

Emission Point: 00528
Height (ft.): 17 Diameter (in.): 4
NYTMN (km.): 4745.891 NYTME (km.): 579.603 Building: P300 PAD

Emission Point: 00537
Height (ft.): 15 Diameter (in.): 1
NYTMN (km.): 4745.965 NYTME (km.): 579.492 Building: TANK FARM1

Emission Point: 00538
Height (ft.): 15 Diameter (in.): 1
NYTMN (km.): 4745.961 NYTME (km.): 579.489 Building: TANK FARM1

Emission Point: 00559
Height (ft.): 15 Diameter (in.): 1
NYTMN (km.): 4745.958 NYTME (km.): 579.486 Building: TANK FARM1

Emission Point: 00564
Height (ft.): 31 Diameter (in.): 6
NYTMN (km.): 4745.954 NYTME (km.): 579.482 Building: TANK FARM2

Emission Point: 00570
Height (ft.): 4 Diameter (in.): 4
NYTMN (km.): 4745.951 NYTME (km.): 579.483 Building: TANK FARM3

Emission Point: 00572
Height (ft.): 36 Diameter (in.): 4
NYTMN (km.): 4745.944 NYTME (km.): 579.482 Building: TANK FARM3

Emission Point: 00587
Height (ft.): 37 Diameter (in.): 3
NYTMN (km.): 4745.938 NYTME (km.): 579.489 Building: TANK FARM3

Item 136.4(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-00003

Emission Point: 00167
Height (ft.): 45 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: LWI TF

Emission Point: 00168
Height (ft.): 45 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: LWI TF

Emission Point: 00485
Height (ft.): 10 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD9

Emission Point: 00516
Height (ft.): 19 Diameter (in.): 4
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: P300 PAD

Item 136.5(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-00004

Emission Point: 00139
Height (ft.): 36 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39 TF

Emission Point: 00143
Height (ft.): 42 Diameter (in.): 3
NYTMN (km.): 4745.924 NYTME (km.): 579.685 Building: LWI TF

Emission Point: 00145
Height (ft.): 42 Diameter (in.): 3

NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: LWI TF

Emission Point: 00146
Height (ft.): 45 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: LWI TF

Emission Point: 00148
Height (ft.): 42 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: LWI TF

Emission Point: 00173
Height (ft.): 21 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39 TF

Emission Point: 00375
Height (ft.): 39 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: POLY TANKS

Emission Point: 00376
Height (ft.): 39 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: POLY TANKS

Emission Point: 00377
Height (ft.): 42 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: POLY TANKS

Emission Point: 00378
Height (ft.): 43 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: POLY TANKS

Emission Point: 00379
Height (ft.): 43 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: POLY TANKS

Emission Point: 00380
Height (ft.): 30 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: POLY TANKS

Emission Point: 00382
Height (ft.): 33 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: POLY TANKS

Emission Point: 00383
Height (ft.): 42 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: POLY TANKS

Emission Point: 00399
Height (ft.): 53 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39 TF

Emission Point: 00400
Height (ft.): 29 Diameter (in.): 3

NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39 TF

Emission Point: 00401
Height (ft.): 43 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39 TF

Emission Point: 00402
Height (ft.): 29 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39 TF

Emission Point: 00403
Height (ft.): 53 Diameter (in.): 4
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD39 TF

Emission Point: 00478
Height (ft.): 42 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: POLY TANKS

Emission Point: 00479
Height (ft.): 42 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: POLY TANKS

Emission Point: 00480
Height (ft.): 43 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: POLY TANKS

Emission Point: 00498
Height (ft.): 39 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: POLY TANKS

Emission Point: 00701
Height (ft.): 39 Diameter (in.): 3
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: POLY TANKS

Emission Point: 00735
Height (ft.): 26 Diameter (in.): 4
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD36

Emission Point: 00736
Height (ft.): 26 Diameter (in.): 4
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD36

Emission Point: 00737
Height (ft.): 29 Diameter (in.): 4
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD36

Item 136.6(From Mod 0):
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.): 12 Diameter (in.): 12
NYTMN (km.): 4745.717 NYTME (km.): 579.658 Building: BLD39

Emission Point: 00160
Height (ft.): 31 Diameter (in.): 22
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: 00179
Height (ft.): 24 Diameter (in.): 3
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD9

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: 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: 00775
Height (ft.): 26 Length (in.): 36 Width (in.): 36
NYTMN (km.): 4745.724 NYTME (km.): 579.733 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

Item 136.7(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-00007

Emission Point: 00247
Height (ft.): 20 Diameter (in.): 1
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD34

Emission Point: 00251
Height (ft.): 20 Diameter (in.): 1
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD34

Emission Point: 00253
Height (ft.): 20 Diameter (in.): 1
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD34

Emission Point: 00255
Height (ft.): 20 Diameter (in.): 1
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD34

Emission Point: 00256
Height (ft.): 8 Diameter (in.): 2
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD34

Emission Point: 00258
Height (ft.): 20 Diameter (in.): 1
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD34

Emission Point: 00266
Height (ft.): 9 Diameter (in.): 1
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD34

Emission Point: 00269
Height (ft.): 10 Diameter (in.): 2
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD34

Emission Point: 00362
Height (ft.): 29 Diameter (in.): 18
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD34

Emission Point: 00363
Height (ft.): 29 Diameter (in.): 18
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD34

Emission Point: 00443
Height (ft.): 18 Diameter (in.): 1
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD34

Emission Point: 00452
Height (ft.): 30 Diameter (in.): 1
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD34

Emission Point: 00747
Height (ft.): 0 Diameter (in.): 2
NYTMN (km.): 4745.724 NYTME (km.): 579.733 Building: BLD34

Emission Point: 00750
Height (ft.): 11 Diameter (in.): 4
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD42

Emission Point: 00751
Height (ft.): 52 Diameter (in.): 2
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD42

Emission Point: 00769
Height (ft.): 36 Diameter (in.): 2
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD42

Emission Point: 00787
Height (ft.): 32 Diameter (in.): 2
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD34

Emission Point: 00788
Height (ft.): 29 Diameter (in.): 6
NYTMN (km.): 4745.728 NYTME (km.): 579.719 Building: BLD34

Condition 137: Process Definition By Emission Unit
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 137.1(From Mod 2):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00001
Process: 011 Source Classification Code: 1-02-006-02
Process Description:
P-300 Boiler firing natural gas. The P-300 Boiler (BP300 is equipped with a low NOx burner.

Emission Source/Control: BP300 - Combustion
Design Capacity: 12 million Btu per hour

Item 137.2(From Mod 2):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00001
Process: 046 Source Classification Code: 3-01-900-99
Process Description:
Cleaver Brooks #1, Cleaver Brooks #2 and Boiler #5 firing natural gas, #2 fuel oil under requirements of Boiler NESHAP - 40 CFR 63 Subpart DDDDD

Emission Source/Control: 0R001 - Combustion
Design Capacity: 2.44 million Btu per hour

Emission Source/Control: 0R002 - Combustion
Design Capacity: 2.44 million Btu per hour

Emission Source/Control: 0R003 - Combustion
Design Capacity: 4.24 million Btu per hour

Emission Source/Control: 0R004 - Combustion
Design Capacity: 7 million Btu per hour

Emission Source/Control: B0039 - Combustion
Design Capacity: 4.1 million Btu per hour

Emission Source/Control: B0100 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: B0200 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: B0500 - Combustion
Design Capacity: 85.9 million Btu per hour

Emission Source/Control: BP300 - Combustion
Design Capacity: 12 million Btu per hour

Item 137.3(From Mod 2):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00002
Process: 008 Source Classification Code: 3-01-999-99
Process Description:
P-300 HON regulated manufacture (currently octylphenol and nonylphenol)

Emission Source/Control: F0432 - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: F402C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F405C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F406C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F407C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F408C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F409C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F414C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F415C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F416C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F418C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F419C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F422C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F423C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F425C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F426C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F427C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F434C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F0402 - Process

Emission Source/Control: F0403 - Process

Emission Source/Control: F0405 - Process

Emission Source/Control: F0406 - Process

Emission Source/Control: F0407 - Process

Emission Source/Control: F0408 - Process

Emission Source/Control: F0409 - Process

Emission Source/Control: F0414 - Process

Emission Source/Control: F0415 - Process

Emission Source/Control: F0416 - Process

Emission Source/Control: F0418 - Process

Emission Source/Control: F0419 - Process

Emission Source/Control: F0422 - Process

Emission Source/Control: F0423 - Process

Emission Source/Control: F0425 - Process

Emission Source/Control: F0426 - Process

Emission Source/Control: F0427 - Process

Emission Source/Control: F0434 - Process

Item 137.4(From Mod 2):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00004
Process: 014 Source Classification Code: 3-01-830-01
Process Description:
Storage tanks currently associated with Subpart OOO
(Amino/Phenolic MACT) products & raw materials.

Emission Source/Control: T146C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T147C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T150C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T154C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T157C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T205C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T208C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T209C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T209G - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: T0146 - Process

Emission Source/Control: T0147 - Process

Emission Source/Control: T0150 - Process

Emission Source/Control: T0154 - Process

Emission Source/Control: T0157 - Process

Emission Source/Control: T0205 - Process

Emission Source/Control: T0208 - Process

Emission Source/Control: T0209 - Process

Item 137.5(From Mod 2):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00004
Process: 015 Source Classification Code: 3-01-830-01
Process Description:
Storage tanks currently associated with Subpart FFFF (MON) products & raw materials.

Emission Source/Control: T152C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T153C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T163C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T166C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T207C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T0152 - Process

Emission Source/Control: T0153 - Process

Emission Source/Control: T0163 - Process

Emission Source/Control: T0166 - Process

Emission Source/Control: T0207 - Process

Item 137.6(From Mod 2):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00004
Process: 043 Source Classification Code: 3-01-830-01
Process Description: NON-NESHAP regulated tanks

Emission Source/Control: T109C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T146C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T147C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T148C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T149C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T150C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T151C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T152C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T153C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T154C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T156C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T157C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T163C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T166C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T200C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T205C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T206C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T207C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T208C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T209C - Control

Control Type: CONSERVATION VENT

Emission Source/Control: T209G - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: T230C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T231C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T232C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T0097 - Process

Emission Source/Control: T0109 - Process

Emission Source/Control: T0146 - Process

Emission Source/Control: T0147 - Process

Emission Source/Control: T0148 - Process

Emission Source/Control: T0149 - Process

Emission Source/Control: T0150 - Process

Emission Source/Control: T0151 - Process

Emission Source/Control: T0152 - Process

Emission Source/Control: T0153 - Process

Emission Source/Control: T0154 - Process

Emission Source/Control: T0156 - Process

Emission Source/Control: T0157 - Process

Emission Source/Control: T0163 - Process

Emission Source/Control: T0166 - Process

Emission Source/Control: T0200 - Process

Emission Source/Control: T0205 - Process

Emission Source/Control: T0206 - Process

Emission Source/Control: T0207 - Process

Emission Source/Control: T0208 - Process

Emission Source/Control: T0209 - Process

Emission Source/Control: T0230 - Process

Emission Source/Control: T0231 - Process

Emission Source/Control: T0232 - Process

Item 137.7(From Mod 2):
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 - A/P MACT (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: 939TO - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C006D - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: DR39D - Control
Control Type: FABRIC FILTER

Emission Source/Control: FK01D - Control
Control Type: FABRIC 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: S100D - 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: SB04S - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: SB05D - Control
Control Type: FABRIC FILTER

Emission Source/Control: SBP2S - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: SM16D - Control
Control Type: FABRIC FILTER

Emission Source/Control: SM17D - Control
Control Type: FABRIC FILTER

Emission Source/Control: T16AC - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T17AC - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T212C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 00B36 - Process

Emission Source/Control: 6BT00 - Process

Emission Source/Control: 9VC01 - Process

Emission Source/Control: C0006 - Process

Emission Source/Control: DR390 - Process

Emission Source/Control: FK001 - Process

Emission Source/Control: GCB39 - Process

Emission Source/Control: H0003 - 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: M9101 - Process

Emission Source/Control: PP000 - Process

Emission Source/Control: R0001 - Process

Emission Source/Control: R0002 - Process

Emission Source/Control: R0003 - Process

Emission Source/Control: R0004 - Process

Emission Source/Control: R0006 - Process

Emission Source/Control: R0007 - Process

Emission Source/Control: R0008 - Process

Emission Source/Control: R0009 - Process

Emission Source/Control: R0012 - Process

Emission Source/Control: R6912 - 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: SH390 - Process

Emission Source/Control: T0101 - Process

Emission Source/Control: T016A - Process

Emission Source/Control: T017A - Process

Emission Source/Control: T0212 - Process

Emission Source/Control: T100A - Process

Emission Source/Control: T10C0 - Process

Emission Source/Control: TB104 - Process

Emission Source/Control: TB105 - Process

Emission Source/Control: TF013 - Process

Emission Source/Control: TFE19 - Process

Emission Source/Control: TR100 - Process

Emission Source/Control: TT003 - 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 137.8(From Mod 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: MON (Subpart FFFF) Resin Manufacturing

Emission Source/Control: 636T0 - Control
Control Type: THERMAL OXIDATION

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: TT004 - Process

Item 137.9(From Mod 2):
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: 939TO - Control
Control Type: THERMAL OXIDATION

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: SB03S - Control
Control Type: WET SCRUBBER

Emission Source/Control: M0018 - Process

Emission Source/Control: M0019 - Process

Emission Source/Control: M0020 - Process

Emission Source/Control: R0015 - Process

Emission Source/Control: SB001 - Process

Emission Source/Control: SB003 - Process

Emission Source/Control: TT001 - Process

Emission Source/Control: VPM18 - Process

Item 137.10(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00001
Process: 001 Source Classification Code: 1-02-006-02
Process Description:
Boiler #5 - natural gas fired. Unit is equipped with a low NOx burner.

Emission Source/Control: B0500 - Combustion
Design Capacity: 85.9 million Btu per hour

Emission Source/Control: B500C - Control
Control Type: LOW NOx BURNER

Item 137.11(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00001
Process: 002 Source Classification Code: 1-02-005-02
Process Description:
Boiler #5 - No 2 fuel oil in boiler as an alternate fuel; low sulfur content.

Emission Source/Control: B0500 - Combustion
Design Capacity: 85.9 million Btu per hour

Emission Source/Control: B500C - Control
Control Type: LOW NOx BURNER

Item 137.12(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00001
Process: 003 Source Classification Code: 1-02-006-02
Process Description:
Natural gas fired boilers Cleaver Brooks #1 and Cleaver Brooks #2

Emission Source/Control: B0100 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: B0200 - Combustion

Design Capacity: 50 million Btu per hour

Item 137.13(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00001
Process: 004 Source Classification Code: 1-02-005-02
Process Description:
No. 2 Fuel oil fired boilers Cleaver Brooks #1 & Cleaver Brooks #2; #2 oil fired as an alternate fuel, low sulfur content.

Emission Source/Control: B0100 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: B0200 - Combustion
Design Capacity: 50 million Btu per hour

Item 137.14(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00002
Process: 009 Source Classification Code: 3-01-999-99
Process Description:
P-300 Subpart NNN and RRR manufacture (nonylphenol)

Emission Source/Control: F0432 - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: F401C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F402C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F403C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F408C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F409C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F416C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F419C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F423C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F426C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F427C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F434C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F0401 - Process

Emission Source/Control: F0402 - Process

Emission Source/Control: F0403 - Process

Emission Source/Control: F0408 - Process

Emission Source/Control: F0409 - Process

Emission Source/Control: F0416 - Process

Emission Source/Control: F0419 - Process

Emission Source/Control: F0423 - Process

Emission Source/Control: F0426 - Process

Emission Source/Control: F0427 - Process

Emission Source/Control: F0434 - Process

Item 137.15(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00002
Process: 010 Source Classification Code: 3-01-999-99
Process Description:
P-300 MON regulated manufacture (currently butylphenol and heptylphenol manufacture)

Emission Source/Control: F0432 - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: F404C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F416C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F419C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F422C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F423C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F426C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F428C - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: F430C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F435C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F436C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: V435C - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: F0404 - Process

Emission Source/Control: F0416 - Process

Emission Source/Control: F0419 - Process

Emission Source/Control: F0422 - Process

Emission Source/Control: F0423 - Process

Emission Source/Control: F0426 - Process

Emission Source/Control: F0428 - Process

Emission Source/Control: F0430 - Process

Emission Source/Control: F0435 - Process

Emission Source/Control: F0436 - Process

Item 137.16(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00002
Process: 044 Source Classification Code: 3-01-999-99

Process Description: P-300 process - NON-NESHAP regulated

Emission Source/Control: F0432 - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: F401C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F402C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F403C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F404C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F405C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F406C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F407C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F409C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F411C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F412C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F414C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F415C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F416C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F417C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F418C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F419C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F422C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F423C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F425C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F426C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F427C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F428C - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: F430C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F434C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F435C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F436C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: V435C - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: F0401 - Process

Emission Source/Control: F0402 - Process

Emission Source/Control: F0403 - Process

Emission Source/Control: F0404 - Process

Emission Source/Control: F0405 - Process

Emission Source/Control: F0406 - Process

Emission Source/Control: F0407 - Process

Emission Source/Control: F0408 - Process

Emission Source/Control: F0409 - Process

Emission Source/Control: F0411 - Process

Emission Source/Control: F0412 - Process

Emission Source/Control: F0414 - Process

Emission Source/Control: F0415 - Process

Emission Source/Control: F0416 - Process

Emission Source/Control: F0417 - Process

Emission Source/Control: F0418 - Process

Emission Source/Control: F0419 - Process

Emission Source/Control: F0422 - Process

Emission Source/Control: F0423 - Process

Emission Source/Control: F0425 - Process

Emission Source/Control: F0426 - Process

Emission Source/Control: F0427 - Process

Emission Source/Control: F0428 - Process

Emission Source/Control: F0430 - Process

Emission Source/Control: F0434 - Process

Emission Source/Control: F0435 - Process

Emission Source/Control: F0436 - Process

Item 137.17(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00003
Process: 049 Source Classification Code: 3-01-830-01
Process Description: Liquid Waste Tanks

Emission Source/Control: F424C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T094C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: T099C - Control

Control Type: CONSERVATION VENT

Emission Source/Control: T228C - Control
Control Type: CONSERVATION VENT

Emission Source/Control: F0424 - Process

Emission Source/Control: T0094 - Process

Emission Source/Control: T0099 - Process

Emission Source/Control: T0228 - Process

Item 137.18(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00005
Process: 016 Source Classification Code: 3-01-820-02
Process Description:
Wastewater processing trivial and exempt sources are currently in this emission unit.

Emission Source/Control: 0WWTP - Process

Item 137.19(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00007
Process: 030 Source Classification Code: 3-01-999-99
Process Description:
Process 30 - Pilot Plant All sources in this process are currently trivial or exempt. Exempt sources are listed under this process.

Emission Source/Control: 34B1E - Process

Emission Source/Control: 34B2E - Process

Emission Source/Control: FTP09 - Process

Emission Source/Control: FTP67 - Process

Emission Source/Control: P0003 - Process

Emission Source/Control: P0008 - Process

Emission Source/Control: P0009 - Process

Emission Source/Control: PAR01 - Process

Emission Source/Control: R4000 - Process

Emission Source/Control: SDP01 - Process

Emission Source/Control: SJP01 - Process

Emission Source/Control: SJPC0 - Process

Emission Source/Control: TU02F - Process

Emission Source/Control: VP004 - Process

Emission Source/Control: VPP03 - Process

Emission Source/Control: VPP3V - Process

Condition 138: Process Permissible Emissions
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 138.1:
The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 0-00001 Process: 002

CAS No: 007446-09-5 (From Mod 0)
Name: SULFUR DIOXIDE
PTE(s): 76,600 pounds per year
38.3 tons per year

CAS No: 0NY210-00-0 (From Mod 0)
Name: OXIDES OF NITROGEN
PTE(s): 76,600 pounds per year
38.3 tons per year

Condition 139: Capping Monitoring Condition
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 139.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

Item 139.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 139.3:
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.

Item 139.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 139.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 139.6:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 139.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The emission of Oxides of Nitrogen (NOx) from Boiler #5 (B0500) shall be limited to 38.3 tons per year regardless of the type of fuel fired. The facility shall calculate and record the monthly and rolling annual Oxides of Nitrogen emissions from Boiler #5. The facility shall maintain all records on site for a period of five years including the fuel usage for each fuel fired in Boiler #5, all calculations, and all other data used to determine the monthly and rolling annual emissions of Oxides of Nitrogen.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 38.3 tons
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 140: Capping Monitoring Condition
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 140.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

Item 140.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 140.3:
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.

Item 140.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 140.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 140.6:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 140.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Emission of sulfur dioxide from Boiler 5 (B0500) shall be limited to 38.3 tons/year regardless of the fuel burned. Facility shall calculate and record the monthly and rolling annual sulfur dioxide emissions from Boiler #5. The facility shall maintain all records on site for a period of 5 years including fuel usage for Boiler #5, all calculations and all data used to determine the averages.

Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 38.3 tons
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 141: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 227-1.3 (a)

Item 141.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Item 141.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity. 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.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 142: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63, Subpart DDDDD

Item 142.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Item 142.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility shall monitor and collect data to demonstrate continuous compliance with Subpart DDDDD as indicated in the rule.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 143: Engines that are exempt from Subpart ZZZZ
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.6590(b)(3), Subpart ZZZZ

Item 143.1:
This Condition applies to Emission Unit: 0-00001

Item 143.2:
The following types of stationary RICE do not have to meet any of the requirements of 40 CFR 63, Subpart ZZZZ:

- existing spark ignition 2 stroke lean burn (2SLB) with a site rating of more than 500 brake horsepower located at a major source of HAP emissions,
- existing spark ignition 4 stroke lean burn (4SLB) with a site rating of more than 500 brake horsepower located at a major source of HAP emissions,
- existing emergency (as defined in 40 CFR 63.6675) engine with a site rating of more than 500 brake horsepower located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii),
- existing limited use (as defined in 40 CFR 63.6675) engine with a site rating of more than 500 brake horsepower located at a major source of HAP emissions,
- existing engine with a site rating of more than 500 brake horsepower located at a major source of HAP emissions that burns landfill or digester gas equivalent to 10% or more of the gross heat input on an annual basis,
- existing residential emergency stationary engine located at an area source of HAP emissions,
- existing commercial emergency stationary engine located at an area source of HAP emissions,
- existing institutional emergency stationary engine located at an area source of HAP emissions.

Condition 144: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.42c(d), NSPS Subpart Dc

Item 144.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00001
Process: 002

Item 144.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:
Fuel oil combusted must contain 0.5% sulfur or less

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.5 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 145: Exemption from the averaging period.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.42c(h), NSPS Subpart Dc

Item 145.1:
This Condition applies to Emission Unit: 0-00001
Process: 002

Item 145.2:
Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

Condition 146: Enforceability
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.42c(i), NSPS Subpart Dc

Item 146.1:
This Condition applies to Emission Unit: 0-00001
Process: 002

Item 146.2:
The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Condition 147: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.43c(c), NSPS Subpart Dc

Item 147.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00001
Process: 002

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 147.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more that 27 percent opacity.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then the Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the

Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

** NOTE ** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY
Upper Permit Limit: 27 percent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 148: Enforceability of particulate matter and opacity standards.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.43c(d), NSPS Subpart Dc

Item 148.1:
This Condition applies to Emission Unit: 0-00001
Process: 002

Item 148.2:
The particulate matter and opacity standards of section 40 CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

Condition 149: Alternative compliance methods for sulfur dioxide.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.44c(h), NSPS Subpart Dc

Item 149.1:
This Condition applies to Emission Unit: 0-00001
Process: 002

Item 149.2:
Facilities demonstrating compliance through vender certification shall follow the compliance procedures listed in paragraphs 40 CFR 60-Dc.48c(f)(1), (2), or (3), as applicable.

Condition 150: Exemption from sulfur dioxide monitoring requirements.
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.46c(e), NSPS Subpart Dc

Item 150.1:
This Condition applies to Emission Unit: 0-00001
Process: 002

Item 150.2:
Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

Condition 151: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.48c(e), NSPS Subpart Dc

Item 151.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00001
Process: 002

Item 151.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of each affected facility subject to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records and submit reports as required under paragraph (d) of this section, including the following information, as applicable

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 152: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.48c(f)(1), NSPS Subpart Dc

Item 152.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00001
Process: 002

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 152.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Fuel supplier certification shall include the following information for distillate oil:

i) The name of the oil supplier, and

ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c. 60-Dc 41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A standard Specification for Fuel Oils.

iii) The sulfur content or maximum sulfur content of the oil.

Monitoring Frequency: PER DELIVERY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 153: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 227-1.3 (a)

Item 153.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00001
Process: 011 Emission Source: BP300

Item 153.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

The facility owner/operator shall conduct a visible emissions observation (determining the presence or absence of visible emissions) of all emission points and/or emission sources once per day, during daylight hours, except during conditions of extreme weather (fog, snow, rain). If any visible emissions are noted, corrective action may be required.

Daily records of observations are to be maintained, including corrective actions taken and explanations for days when weather conditions are prohibitive, on-site for a period of five years.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 154: Startup, shutdown, malfunction operational standards
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.102(a), Subpart F

Item 154.1:
This Condition applies to Emission Unit: 0-00002
Process: 008

Item 154.2:
The provisions set forth in 40CFR63, Subparts F and G shall apply at all times except during periods of start-up, shutdown, malfunction, or non-operation of the chemical manufacturing process unit resulting in the cessation of emissions to which the subparts apply. However, if the start-up, shutdown, malfunction, or non-operation of a CMPU does not affect the ability of an emission point to comply with the specific provisions to which it is subject, then that emission point shall still be required to comply with the applicable provisions.

Items of equipment that are required for compliance with the provisions of Subpart F, G, or

H shall not be shut down during times when emissions are being routed to such items of equipment, if the shutdown would contravene requirements of this subpart F, G, or H applicable to such items of equipment. This does not apply if the item of equipment is malfunctioning, or if the equipment was shutdown to avoid damage due to a contemporaneous start-up, shutdown, or malfunction of the CMPU or portion thereof.

During start-ups, shutdowns, and malfunctions when the requirements of Subparts F, G, and H do not apply, measures shall be implemented, to the extent reasonably available, to prevent or minimize emissions in excess of those that would have occurred if there were no start-up, shutdown, or malfunction and the owner/operator complied with Subpart(s) F, G, and/or H. The measures taken shall be included in the applicable start-up, shutdown, malfunction plan.

Condition 155: Applicability of General Provisions
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.103(a), Subpart F

Item 155.1:
This Condition applies to Emission Unit: 0-00002
Process: 008

Item 155.2:
Table 3 of Subpart F specifies the provisions of Subpart A that apply and those that do not apply to owners/operators of sources subject to 40CFR63, Subparts F, G, and H.

Condition 156: Scheduling of initial performance tests
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.103(b)(1), Subpart F

Item 156.1:
This Condition applies to Emission Unit: 0-00002
Process: 008

Item 156.2:
Performance tests and compliance determinations shall be conducted according to the schedule and procedures in §63.7(a) of Subpart A and the applicable sections of subparts G and H.

Condition 157: Waiver of performance test
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.103(b)(5), Subpart F

Item 157.1:
This Condition applies to Emission Unit: 0-00002
Process: 008

Item 157.2:
Performance tests may be waived with approval of the New York State DEC as specified in §63.7(h)(2). Any application for a waiver of a performance test shall include information

justifying the request for a waiver, such as the technical or ecomonic infeasibility, or the impracticality, of the source performing the required test.

Owners/operators of sources subject to subparts F, G, and H who apply for a waiver of a performance test shall submit the application by the following dates:

If a request is made for an extension of compliance under §63.151(a)(6) or §63.6(i), the application for a waiver of an initial performance test shall accompany the information required for the request for an extension of compliance. If no extension of compliance is requested, the application for a waiver of an initial performance test shall be submitted no later than 90 calendar days before the Notification of Compliance Status required in §63.152(b) is due to be submitted.

Condition 158: Record retention
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.103(c)(1), Subpart F

Item 158.1:
This Condition applies to Emission Unit: 0-00002
Process: 008

Item 158.2:
All applicable records and reports required by subparts F, G, and H shall be kept for at least 5 years; except that, if subparts G or H require records to be maintained for a time period different than 5 years, those records shall be maintained for the time specified in subpart G or H.

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 centralized location by computer or other means that provides access within 2 hours after a request. The remaining 4 1/2 years of records may be retained offsite.

Condition 159: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.103(c)(2), Subpart F

Item 159.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 008

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

Item 159.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The following records shall be kept:

Records of the occurrence and duration of each start-up, shutdown, and malfunction of operation of process equipment or of air pollution control equipment or continuous monitoring systems used to comply with subparts F, G, or H during which excess emissions (as defined in §63.102(a)(4)) occur.

For each start-up, shutdown, and malfunction during which excess emissions occur, records that the procedures specified in the source's start-up, shutdown, and malfunction plan were followed, and documentation of actions taken that are not consistent with the plan. For example, if a start-up, shutdown, and malfunction plan includes procedures for routing a control device to a backup control device, records must be kept of whether the plan was followed. These records may take the form of a checklist, or other form of recordkeeping that confirms conformance with the start-up, shutdown, and malfunction plan for the event.

For continuous monitoring systems used to comply with subpart G, records documenting the completion of calibration checks and maintenance of continuous monitoring systems that are specified in the manufacturer's instructions or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 160: Submittal of reports
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.103(d), Subpart F

Item 160.1:
This Condition applies to Emission Unit: 0-00002
Process: 008

Item 160.2:
All reports required under 40CFR63, Subparts F, G, and H shall be sent to the New York State DEC, except that requests for permission to use an alternative means of compliance as provided for in §63.102(b) and application for approval of a nominal efficiency as provided for in

§63.150(i)(1) through (i)(6) of subpart G shall be submitted to the Director of the EPA Office of Air Quality Planning and Standards rather than to the New York State DEC.

Condition 161: Calculation of TRE
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.113(a)(3), Subpart G

Item 161.1:
This Condition applies to Emission Unit: 0-00002
Process: 008

Item 161.2:
The owner/operator of a group 1 process vent shall achieve and maintain a TRE index value greater than 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. If the TRE index value is greater than 1.0, the vent shall comply with the provisions for a group 2 process vent specified in §63.113(d) or (e), whichever is applicable.

Condition 162: Standards for group 2 process vents
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.113(e), Subpart G

Item 162.1:
This Condition applies to Emission Unit: 0-00002
Process: 008

Item 162.2:
The owner/operator of a group 2 process vent with a TRE index value greater than 4.0 shall maintain a TRE index value greater than 4.0, comply with the provisions for calculation of TRE index in §63.115, comply with the recordkeeping and reporting provisions of §63.117(b), 118(c), and 118(h), and is not subject to monitoring or any other requirements of §63.114 through 118.

Condition 163: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.115(d), Subpart G

Item 163.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 008

Item 163.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

To determine the TRE index value, the owner or operator shall conduct a TRE determination and calculate the TRE index value according to the procedures in paragraph (d)(1) or (d)(2) of this regulation and the TRE equation in paragraph (d)(3) of this regulation.

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

Condition 164: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.115(d)(1), Subpart G

Item 164.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 008

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

Item 164.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To determine the TRE index value, the owner/operator shall calculate the TRE index value using engineering assessment to determine process vent stream flow rate, net heating value, TOC emission rate, and total organic HAP emission rate for the representative operating condition expected to yield the lowest TRE index value.

If the TRE value calculated using this engineering assessment and the TRE equation listed in §63.115(d)(3) is greater than 4.0, then the owner/operator is not required to perform the measurements specified in §63.115(d)(2).

Engineering assessment includes, but is not limited to:

1) Previous test results provided the tests are representative of current operating practices at the process unit.
2) Bench-scale or pilot-scale test data representative of the process under representative operating conditions.
3) Maximum flow rate, TOC emission rate, organic HAP emission rate, or net heating value limit specified or

implied within a permit limit applicable to the process vent.
4) Design analysis based on accepted chemical engineering principles, measurable process parameters, or physical or chemical laws or properties.
5) All data, assumptions, and procedures used in the engineering assessment shall be documented.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 165: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.117, Subpart G

Item 165.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 008

Item 165.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Reporting and recordkeeping requirements for group and TRE determinations and performance tests shall be followed as stated in this rule.

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

Condition 166: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.117(b), Subpart G

Item 166.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 008

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

Item 166.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
The owner/operator of a Group 2 process vent with a TRE index value greater than 4.0 shall maintain records and submit as part of the Notification of Compliance Status report as required in §63.152, measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Documentation of engineering assessments shall include all data, assumptions, and procedures used for the engineering assessments, as specified in §63.115(d)(1).

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 167: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.118(c), Subpart G

Item 167.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 008

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

Item 167.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
If the owner/operator elects to demonstrate compliance with the TRE index value greater than 1.0 under §63.113(a)(3) shall keep up-to-date, readily accessible records of any process changes as defined in §63.115(e) and any recalculation of the TRE index value pursuant to §63.115(e).

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

Condition 168: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.118(g), Subpart G

Item 168.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002

Process: 008

Item 168.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Whenever a process change, as defined in §63.115(e) of this subpart, is made that causes a Group 2 process vent to become a Group 1 process vent, the owner or operator shall submit a report within 180 calendar days after the process change as specified in §63.151(j) of this subpart. The report shall include:

(1) A description of the process change;

(2) The results of the recalculation of the flow rate, organic HAP concentration, and TRE index value required under §63.115(e) of this subpart and recorded under paragraph (c), (d), or (e) of this section; and

(3) A statement that the owner or operator will comply with the provisions of §63.113 of this subpart for Group 1 process vents by the dates specified in subpart F of this part.

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

Condition 169: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.118(h), Subpart G

Item 169.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 008

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

Item 169.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Whenever a process change, as defined in §63.115(e), is made that causes a group 2 process vent with a TRE greater

than 4.0 to become a group 2 process vent with a TRE less than 4.0, a report shall be submitted within 180 calendar days after the process change. The report may be submitted as part of the next periodic report and shall include a description of the process change, the results of the recalculation of the TRE index value required under §63.115(e) and recorded under §63.118(c), and a statement that the owner/operator will comply with the requirements specified in §63.113(d).

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-4: General standards - identification of equipment
Effective between the dates of 08/16/2018 and 05/31/2021

Applicable Federal Requirement:40CFR 63.162(c), Subpart H

Item 2-4.1:
This Condition applies to Emission Unit: 0-00002
Process: 008

Item 2-4.2:
Each piece of equipment to which Subpart H applies shall be identified such that it can be distinguished readily from equipment that is not subject to Subpart H. This does not require physical tagging, but may be identified on a plant site plan, log entries, or by designation of process unit boundaries by some form of weatherproof identification.

Condition 170: General standards - detection of leaks in valves
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.162(f), Subpart H

Item 170.1:
This Condition applies to Emission Unit: 0-00002
Process: 008

Item 170.2:
When each leak is detected as specified in 40CFR63.168 and 169, a weatherproof and readily visible identification, marked with the equipment number, shall be attached to the leaking equipment. The identification on a valve may be removed after it has been monitored as specified in 40CFR63.168(f)(3), and 63.175(e)(7)(i)(D), and no leak has been detected during the follow-up monitoring.

Condition 171: Exemption if TRE is greater than 8.0
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.660(c)(4), NSPS Subpart NNN

Item 171.1:
This Condition applies to Emission Unit: 0-00002

Process: 009

Item 171.2:
Each affected facility that has a TRE index value, as calculated in §60.664(e), that is greater than 8.0, is exempt from all provisions of this subpart except for §§60.662; 60.664(d), (e), and (f); and 60.665(h) and (l).

Condition 172: Standards for facility with TRE>1
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.662(c), NSPS Subpart NNN

Item 172.1:
This Condition applies to Emission Unit: 0-00002
Process: 009

Item 172.2:
The affected facility shall maintain a TRE value greater than 1.0 without the use of VOC control devices for each vent stream no later than 60 days after achieving the maximum production rate or 180 days after initial start-up, whichever date comes first.

Condition 173: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.663(e), NSPS Subpart NNN

Item 173.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 009

Item 173.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
(e) The owner or operator of an affected facility that seeks to comply with the TRE index value limit specified under §60.662(c) shall install, calibrate, maintain, and operate according to manufacturer's specifications the following equipment, unless alternative monitoring procedures or requirements are approved for that facility by the Administrator:

(2) Where a condenser is the final recovery device in the recovery system:

(i) A condenser exit (product side) temperature monitoring device equipped with a continuous recorder and having an

accuracy of ±1 percent of the temperature being monitored expressed in degrees Celsius or ±0.5 °C, whichever is greater, or

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 88.44 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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 174: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.664(f), NSPS Subpart NNN

Item 174.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 009

Item 174.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
An owner or operator of an affected facility seeking to demonstrate compliance with the standards specified under §60.662 with control devices other than incinerator, boiler, process heater, or flare; or recovery device other than an absorber, condenser, or carbon adsorber shall provide to the Administrator information describing the operation of the control device or recovery device and the process parameter(s) which would indicate proper operation and maintenance of the device. The Administrator may request further information and will specify appropriate monitoring procedures or requirements.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 175: Compliance Certification

Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.665(g)(2), NSPS Subpart NNN

Item 175.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 009

Item 175.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner or operator subject to the provisions of this subpart shall keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under §60.663(e), as well as up-to-date, readily accessible records of periods of operation during which the parameter boundaries established during the most recent performance test are exceeded. The Administrator may at any time require a report of these data. Where an owner or operator seeks to comply with §60.662(c), periods of operation during which the parameter boundaries established during the most recent performance tests are exceeded are defined as follows:

Where a condenser is the final recovery device in a system, and where an organic compound monitoring device is not used, all 3-hour periods of operation during which the average exit (product side) condenser operating temperature was more than 6 °C (1 1 °F) above the average exit (product side) operating temperature during the most recent performance test.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 176: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.665(h)(1), NSPS Subpart NNN

Item 176.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 009

Item 176.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each owner or operator of an affected facility subject to the provisions of this subpart and seeking to demonstrate compliance with §60.662(c) shall keep up-to-date, readily accessible records of any changes in production capacity, feedstock type, or catalyst type, or of any replacement, removal or addition of recovery equipment or a distillation unit.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 177: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.665(h)(2), NSPS Subpart NNN

Item 177.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 009

Item 177.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each owner or operator of an affected facility subject to the provisions of this subpart and seeking to demonstrate compliance with §60.662(c) shall keep up-to-date, readily accessible records of any recalculation of the TRE index value performed pursuant to §60.664(f).

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 178: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.665(l), NSPS Subpart NNN

Item 178.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 009

Item 178.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner or operator that seeks to comply with the requirements of this subpart by complying with the requirements of §60.660 (c)(4), (c)(5), or (c)(6) or §60.662 shall submit to the Administrator semiannual reports of the following recorded information.

(1) Exceedances of monitored parameters recorded under §60.665 (c) and (g).

(2) All periods recorded under §60.665(d) when the vent stream is diverted from the control device or has no flow rate.

(3) All periods recorded under §60.665(e) when the boiler or process heater was not operating.

(4) All periods recorded under §60.665(f) in which the pilot flame of the flare was absent.

(5) Any change in equipment or process operation that increases the operating vent stream flow rate above the low flow exemption level in §60.660(c)(6), including a measurement of the new vent stream flow rate, as recorded under §60.665(i). These must be reported as soon as possible after the change and no later than 180 days after the change. These reports may be submitted either in conjunction with semiannual reports or as a single separate report. A performance test must be completed with the same time period to verify the recalculated flow value and to obtain the vent stream characteristics of heating value and ETOC. The performance test is subject to the requirements of §60.8 of the General Provisions. Unless the facility qualifies for an exemption under the low

capacity exemption status in §60.660(c)(5), the facility must begin compliance with the requirements set forth in §60.662.

(6) Any change in equipment or process operation, as recorded under paragraph (j) of this section, that increases the design production capacity above the low capacity exemption level in §60.660(c)(5) and the new capacity resulting from the change for the distillation process unit containing the affected facility. These must be reported as soon as possible after the change and no later than 180 days after the change. These reports may be submitted either in conjunction with semiannual reports or as a single separate report. A performance test must be completed within the same time period to obtain the vent stream flow rate, heating value, and ETOC. The performance test is subject to the requirements of §60.8. The facility must begin compliance with the requirements set forth in §60.660(d) or §60.662. If the facility chooses to comply with §60.662, the facility may qualify for an exemption in §60.660(c)(4) or (6).

(7) Any recalculation of the TRE index value, as recorded under §60.665(h).

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 179: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.665(l), NSPS Subpart NNN

Item 179.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 009

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 179.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Semiannual reports of the following recorded information shall be submitted to DEC:

1) Exceedances of monitored parameters recorded under §60.665(c) and (g);
2) Any recalculation of the TRE index value, as recorded under §60.665(h).

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 180: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 60.705(r), NSPS Subpart RRR

Item 180.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 009

Item 180.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner/operator whose reactor process vent stream is routed to a distillation unit subject to subpart NNN and who seeks to demonstrate compliance with §60.700(c)(5) shall submit to the New York State DEC a process design description as part of the initial report. This process design description must be retained for the life of the process. No other records or reports would be required unless process changes are made.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 181: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 181.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 181.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 182: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 182.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 182.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.

Subsequent reports are due every 6 calendar month(s).

Condition 183: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 183.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 183.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 184: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 184.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 184.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 185: Startup, shutdown, malfunction requirements
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 185.1:
This Condition applies to Emission Unit: 0-00002
Process: 010

Item 185.2:
§§63.152(f)(7)(ii)-(iv) and 63.998(b)(2)(iii) and (b)(6)(i)(A), which apply to the exclusion of monitoring data collected during periods of startup, shutdown, and malfunction from daily averages, do not apply for the purposes of subpart FFFF.

Condition 186: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 186.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 186.2:
Compliance Certification 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: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 187: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2455(b), Subpart FFFF

Item 187.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

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

Item 187.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each continuous process vent, the facility must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in §63.2455(b)(1)-(3).

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.

Subsequent reports are due every 6 calendar month(s).

Condition 188: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2470(a), Subpart FFFF

Item 188.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

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

Item 188.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
For each storage tank that qualifies as group 1 as defined in §63.2550, then the facility must reduce total HAP emissions by at least 95% by weight by venting emissions through a closed vent system to any combination of control devices (excluding a flare).

The facility must meet the requirements in §63.2450(e)(1) and subpart SS for demonstration of initial compliance, monitoring, recordkeeping, and reporting to ensure the 95% control is being met.

Parameter Monitored: TOTAL HAP
Lower Permit Limit: 95 percent reduction by weight
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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 189: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2475, Subpart FFFF

Item 189.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 189.2:
Compliance Certification 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: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 190: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2495, Subpart FFFF

Item 190.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 190.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) You may elect to comply with the pollution prevention alternative requirements specified in paragraphs (a) (1) and (2) of this section in lieu of the emission limitations and work practice standards contained in Tables 1 through 7 to this subpart for any MCPU for which initial startup occurred before April 4, 2002.

(1) You must reduce the production-indexed HAP consumption factor (HAP factor) by at least 65 percent from a 3-year average baseline beginning no earlier than the 1994 through 1996 calendar years. For any reduction in the HAP factor that you achieve by reducing HAP that are also volatile organic compounds (VOC), you must demonstrate an

equivalent reduction in the production-indexed VOC consumption factor (VOC factor) on a mass basis. For any reduction in the HAP factor that you achieve by reducing a HAP that is not a VOC, you may not increase the VOC factor.

(2) Any MCPU for which you seek to comply by using the pollution prevention alternative must begin with the same starting material(s) and end with the same product(s). You may not comply by eliminating any steps of a process by transferring the step offsite (to another manufacturing location). You may also not merge a solvent recovery step conducted offsite to onsite and as part of an existing process as a method of reducing consumption.

(3) You may comply with the requirements of paragraph (a)(1) of this section for a series of processes, including situations where multiple processes are merged, if you demonstrate to the satisfaction of the Administrator that the multiple processes were merged after the baseline period into an existing process or processes.

(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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 191: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2505, Subpart FFFF

Item 191.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 191.2:
Compliance Certification 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.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 192: 2515(a) - General notifications
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2515, Subpart FFFF

Item 192.1:
This Condition applies to Emission Unit: 0-00002
Process: 010

Item 192.2:
The facility must submit all of the notifications listed in §§63.6(h)(4), 63.6(h)(5), 63.7(b), 63.7(c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b)-(h) which apply to the facility by the dates specified in the citations.

Condition 193: 2515(c) - Notification of performance test
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2515, Subpart FFFF

Item 193.1:
This Condition applies to Emission Unit: 0-00002
Process: 010

Item 193.2:
If the facility is required to conduct a performance test, the facility must submit a notification of intent to conduct a perofrmance 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 subpart FFFF, the facility must also submit the test plan required by §63.7(c) and the emission profile with the notification of the performance test.

Condition 194: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2520, Subpart FFFF

Item 194.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 194.2:
Compliance Certification 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.

(6) Documentation of the practices that you will implement to minimize HAP emissions from streams that contain energetics and organic peroxides, and rationale for why meeting the emission limit specified in tables 1 through 7 to this subpart would create an undue safety hazard.

(7) For fabric filters that are monitored with bag leak

detectors, an operation and maintenance plan that describes proper operation and maintenance procedures, and a corrective action plan that describes corrective actions to be taken, and the timing of those actions, when the PM concentration exceeds the set point and activates the alarm.

(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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 195: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2525, Subpart FFFF

Item 195.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 195.2:
Compliance Certification 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 196: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2535(a), Subpart FFFF

Item 196.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 196.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 197: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2535(b), Subpart FFFF

Item 197.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 197.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(1) After the compliance dates specified in §63.2445, if a control device that you use to comply with this subpart is also subject to monitoring, recordkeeping, and reporting requirements in 40 CFR part 264, subpart AA, BB, or CC; or the monitoring and recordkeeping requirements in 40 CFR part 265, subpart AA, BB, or CC; and you comply with the periodic reporting requirements under 40 CFR part 264, subpart AA, BB, or CC that would apply to the device if your facility had final-permitted status, you may elect to comply either with the monitoring, recordkeeping, and reporting requirements of this subpart; or with the monitoring and recordkeeping requirements in 40 CFR part 264 or 265 and the reporting requirements in 40 CFR part 264, as described in this paragraph (b)(1), which constitute compliance with the monitoring, recordkeeping, and reporting requirements of this subpart. If you elect to comply with the monitoring, recordkeeping, and reporting requirements in 40 CFR parts 264 and/or 265, you must report the information described in §63.2520(e).

(2) After the compliance dates specified in §63.2445, if you have an affected source with equipment that is also subject to 40 CFR part 264, subpart BB, or to 40 CFR part 265, subpart BB, then compliance with the recordkeeping and reporting requirements of 40 CFR parts 264 and/or 265 may be used to comply with the recordkeeping and reporting requirements of this subpart, to the extent that the requirements of 40 CFR parts 264 and/or 265 duplicate the requirements of this subpart.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 198: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2535(c), Subpart FFFF

Item 198.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 198.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
After the compliance dates specified in §63.2445, you are in compliance with the provisions of this subpart FFFF for any storage tank that is assigned to an MCPU and that is both controlled with a floating roof and in compliance with the provisions of either 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y. You are in compliance with this subpart FFFF if you have a storage tank with a fixed roof, closed-vent system, and control device in compliance with the provisions of either 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y, except that you must comply with the monitoring, recordkeeping, and reporting requirements in this subpart FFFF. Alternatively, if a storage tank assigned to an MCPU is subject to control under 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y, you may elect to comply only with the requirements for Group 1 storage tanks in this subpart FFFF.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 199: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2535(h), Subpart FFFF

Item 199.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 010

Item 199.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
After the compliance dates specified in §63.2445, if you have an MCPU that contains equipment subject to the provisions of this subpart that are also subject to the provisions of 40 CFR part 60, subpart DDD, III, NNN, or RRR, you may elect to apply this subpart to all such equipment in the MCPU. If an MCPU subject to the provisions of this subpart has equipment to which this subpart does not apply but which is subject to a standard in 40 CFR part 60, subpart DDD, III, NNN, or RRR, you may elect to comply with the requirements for Group 1 process vents in this subpart for such equipment. If you elect any of these methods of compliance, you must consider all total organic compounds, minus methane and ethane, in such equipment for purposes of compliance with this subpart, as if they were organic HAP. Compliance with the provisions of this subpart, in the manner described in this paragraph (h), will constitute compliance with 40 CFR part 60, subpart DDD, III, NNN, or RRR, as applicable.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 200: Capture and Control Requirements
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212-3.1 (c) (4) (i)

Item 200.1:
This Condition applies to Emission Unit: 0-00002
Process: 044

Item 200.2:
VOC emission points that 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.

Based onSection 212-1.1(b) Applicability.

Any emission limitation or other requirements in effect prior to the effective date of this Part shall remain in effect until issuance of a modified permit or registration or renewal of the permit or registration.

Condition 201: New sources built after 3/1/93
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 229.1 (d) (2) (x)

Item 201.1:
This Condition applies to:

Emission Unit: 000002
Process: 044

Emission Unit: 000003
Process: 049

Emission Unit: 000004
Process: 043

Item 201.1:
This Condition applies to Emission Unit: 0-00002
Process: 044

Item 201.2.3:
Any process subject to this requirement must demonstrate compliance upon startup.

Condition 202: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 229.5 (d)

Item 202.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: 044

Item 202.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility must maintain the a record of the capacities of volatile organic liquid storage tanks, subject to

section 229.3 (e) of this Part in gallons for a period of 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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 203: Amino-Phenolic resins
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1400, Subpart OOO

Item 203.1:
This Condition applies to Emission Unit: 0-00004
Process: 014

Item 203.2:
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 204: General emission standards
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1403, Subpart OOO

Item 204.1:
This Condition applies to Emission Unit: 0-00004
Process: 014

Item 204.2:
The owner/operator of an affected source shall comply with the provisions of §§63.1404 through 63.1410, as appropriate. When emissions are routed to a control device as part of complying with subpart OOO, emissions shall be vented through a closed vent system meeting the requirements of 40CFR63, subpart SS.

When emissions of different kinds (e.g., emissions from continuous process vents, storage vessels, etc.) are combined at a new affected source, and at least one of the emission streams would be required by subpart OOO to apply controls in the absence of combination with other emission streams, the owner/operator shall comply with one of the following:

1) for any combined vent stream that includes one or more aggregate batch vent streams, comply with the provisions for aggregate batch vent streams, or

2) For any combined vent stream that does not include one or more aggregate batch vent streams, reactor batch process vents and non-reactor batch process vents shall comply with the provisions for reactor batch process vents and non-reactor batch process vents, as

appropriate. The remaining emissions (e.g., storage vessels and/or continuous process vent emissions) included in the combined vent stream shall comply with the provisions for storage vessels when storage vessel emissions are included and shall comply with the provisions for continuous process vents in the absence of storage vessel emissions.

Condition 205: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1404, Subpart OOO

Item 205.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00004
Process: 014

Item 205.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each storage vessel located at a new affected source that has a capacity of 50,000 gallons or greater and vapor pressure of 2.45 pounds per square inch absolute (psia) or greater or has a capacity of 90,000 gallons or greater and vapor pressure of 0.15 psia or greater, the owner or operator shall comply with either paragraph (a) (1) or (2) of this section. As an alternative to complying with paragraph (a) of this section, an owner or operator may comply with paragraph (b) of this section

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 206: Amino/Phenolic MACT Equipment Leaks (Capture and Control Options)
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1410, Subpart OOO

Item 206.1:
This Condition applies to Emission Unit: 0-00004
Process: 014

Item 206.2:
The owner or operator of each affected source (subject to 40 CFR 63 Subpart OOO) shall

comply with the requirements of 40 CFR part 63, subpart UU (national emission standards for equipment leaks (control level 2)) for all equipment, as defined under § 63.1402, that contains or contacts 5 weightpercent HAP or greater and operates 300 hours per year or more. The weightpercent HAP is determined for equipment using the organic HAP concentration measurement methods specified in §63.1414(a). When complying with the requirements of 40 CFR part 63, subpart SS, as referred to by 40 CFR part 63, subpart UU, the following apply for purposes of this subpart:
(a) Design evaluations are allowed for control devices that control emission points with total emissions less than 10 tons of organic HAP per year before control (i.e., small control devices).
(b) When 40 CFR part 63, subpart SS refers to specific test methods for the measurement of organic HAP concentration, the test methods presented in § 63.1414(a) shall be used.
(c) The option to measure TOC instead of organic HAP, as a basis for demonstrating compliance, is not allowed.
(d) Excused excursions are not allowed.
(e) The provisions in § 63.1403(b), rather than the provisions in § 63.982(f), are to be followed for combined vent streams.
(f) When a scrubber is used as a control device, the owner or operator shall follow the guidance provided in this subpart for design evaluations or performance tests, as appropriate, and for monitoring, recordkeeping, and reporting.
(g) When there are conflicts between the due dates for reports presented in 40 CFR part 63, subpart SS and this subpart, reports shall be submitted according to the due dates presented in this subpart.
(h) When there are conflicts between the recordkeeping and reporting requirements presented in 40 CFR part 63, subpart SS and this subpart, the owner or operator shall either follow both sets of requirements (i.e., follow the requirements in 40 CFR part 63, subpart SS for emission points covered
by 40 CFR part 63, subpart SS and follow the requirements of this subpart for emission points covered by this subpart) or shall follow the set of requirements they prefer. If an owner or operator chooses to follow just one set of requirements, the owner or operator shall identify which set of requirements
are being followed and which set of requirements are being disregarded in the appropriate report.

Condition 2-5: General standards - identification of equipment
Effective between the dates of 08/16/2018 and 05/31/2021

Applicable Federal Requirement:40CFR 63.162(c), Subpart H

Item 2-5.1:
This Condition applies to Emission Unit: 0-00004
Process: 015

Item 2-5.2:
Each piece of equipment to which Subpart H applies shall be identified such that it can be distinguished readily from equipment that is not subject to Subpart H. This does not require physical tagging, but may be identified on a plant site plan, log entries, or by designation of process unit boundaries by some form of weatherproof identification.

Condition 207: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2470(a), Subpart FFFF

Item 207.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00004
Process: 015

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

Item 207.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
For each storage tank that qualifies as group 1 as defined in §63.2550, then the facility must reduce total HAP emissions by at least 95% by weight by venting emissions through a closed vent system to any combination of control devices (excluding a flare).

The facility must meet the requirements in §63.2450(e)(1) and subpart SS for demonstration of initial compliance, monitoring, recordkeeping, and reporting to ensure the 95% control is being met.

Parameter Monitored: TOTAL HAP
Lower Permit Limit: 95 percent reduction by weight
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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 208: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 208.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 208.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(1) After the compliance dates specified in this section, a storage vessel that is assigned to an affected source subject to this subpart that is also subject to and complying with the provisions of 40 CFR part 60, subpart Kb, shall continue to comply with 40 CFR part 60, subpart Kb. After the compliance dates specified in this section, a storage vessel that is assigned to an affected source subject to this subpart that is also subject to the provisions of 40 CFR part 60, subpart Kb, but the owner or operator has not been required to apply controls as part of complying with 40 CFR part 60, subpart Kb, is required to comply only with the provisions of this subpart. After the compliance dates specified in this section, said storage vessel shall no longer be subject to 40 CFR part 60, subpart Kb.

(2) Affected sources subject to this subpart that are also subject to the provisions of subpart Q of this part shall comply with both subparts.

(3) After the compliance dates specified in this section, an affected source subject to this subpart that is also subject to the provisions of 40 CFR part 60, subpart VV, or the provisions of subpart H of this part, is required to comply only with the provisions of this subpart. After the compliance dates specified in this section, said source shall no longer be subject to 40 CFR part 60, subpart VV, or subpart H of this part, as appropriate.

(4) After the applicable compliance date specified in this subpart, if a heat exchange system subject to this subpart is also subject to a standard identified in paragraph (i)(4)(i) or (ii) of this section, compliance with the applicable provisions of the standard identified in paragraph (i)(4)(i) or (ii) of this section shall constitute compliance with the applicable provisions of this subpart with respect to that heat exchange system.

(i) Subpart F of this part.

(ii) A subpart of this part that requires compliance with §63.104 (e.g., subpart U of this part).

(5) After the compliance dates specified in this subpart, if any combustion device, recovery device or recapture device subject to this subpart is also subject to

monitoring, recordkeeping, and reporting requirements in 40 CFR part 264, subparts AA, BB, or CC, or is subject to monitoring and recordkeeping requirements in 40 CFR part 265, subparts AA, BB, or CC, and the owner or operator complies with the periodic reporting requirements under 40 CFR part 264, subparts AA, BB, or CC, that would apply to the device if the facility had final-permitted status, the owner or operator may elect to comply either with the monitoring, recordkeeping and reporting requirements of this subpart, or with the monitoring, recordkeeping and reporting requirements in 40 CFR parts 264 and/or 265, as described in this paragraph, which shall constitute compliance with the monitoring, recordkeeping and reporting requirements of this subpart. If the owner or operator elects to comply with the monitoring, recordkeeping, and reporting requirements in 40 CFR parts 264 and/or 265, the owner or operator shall report all information required by §63.1417(f), Periodic Reports, as part of complying with the requirements of 40 CFR parts 264 and/or 265.

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

Condition 209: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 209.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 209.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Table 1 of this subpart specifies the provisions of subpart A of this part that apply and do not apply to owners and operators of affected sources subject to this subpart.

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 7/30/2016.

Subsequent reports are due every 6 calendar month(s).

Condition 210: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 210.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 210.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Applicability of this subpart.

(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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 211: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1401, Subpart OOO

Item 211.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 211.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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.

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

Condition 212: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 212.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 212.2:
Compliance Certification 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 213: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 213.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 213.2:
Compliance Certification 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 214: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 214.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

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

Item 214.2:
Compliance Certification 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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 215: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1407(b), Subpart OOO

Item 215.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

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

Item 215.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
As an alternative to the emission limitations listed in §63.1407(a), the owner/operator may elect to comply with one of the following provisions:

1) Vent all organic HAP emissions from a non-reactor batch process vent to a combustion control device achieving an outlet organic HAP concentration of 20ppmv or less or to a non-combustion control device achieving an outlet organic HAP concentration of 50 ppmv or less.

2) Include the emissions from all non-reactor batch process vents in the compliance demonstration required for reactor batch process vents complying with the mass emission limits specified in §63.1406(a)(1)(iii) and (a)(2)(iii), as appropriate. This compliance option may only be used when the owner/operator has elected to comply with the mass emission limit for reactor batch process vents.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 216: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 216.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

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

Item 216.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
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. Any aggregate batch vent streams that are not vented to a control device meeting these conditions shall be controlled in accordance with the provisions of paragraphs (a)(1) or (a)(2) of this section.

Compliance with the stated emission limit will be demonstrated using procedures listed in section .1413 of this subpart and the test methods listed in section .1414 or as otherwise approved by the Department.

Parameter Monitored: TOTAL HAP
Upper Permit Limit: 50 parts per million (by volume)
Reference Test Method: see description
Monitoring Frequency: Once every five years
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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 217: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 217.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

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

Item 217.2:
Compliance Certification 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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 218: Amino/Phenolic MACT Equipment Leaks (Capture and Control Options)
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1410, Subpart OOO

Item 218.1:

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

Item 218.2:
The owner or operator of each affected source (subject to 40 CFR 63 Subpart OOO) shall comply with the requirements of 40 CFR part 63, subpart UU (national emission standards for equipment leaks (control level 2)) for all equipment, as defined under § 63.1402, that contains or contacts 5 weightpercent HAP or greater and operates 300 hours per year or more. The weightpercent HAP is determined for equipment using the organic HAP concentration measurement methods specified in §63.1414(a). When complying with the requirements of 40 CFR part 63, subpart SS, as referred to by 40 CFR part 63, subpart UU, the following apply for purposes of this subpart:
(a) Design evaluations are allowed for control devices that control emission points with total emissions less than 10 tons of organic HAP per year before control (i.e., small control devices).
(b) When 40 CFR part 63, subpart SS refers to specific test methods for the measurement of organic HAP concentration, the test methods presented in § 63.1414(a) shall be used.
(c) The option to measure TOC instead of organic HAP, as a basis for demonstrating compliance, is not allowed.
(d) Excused excursions are not allowed.
(e) The provisions in § 63.1403(b), rather than the provisions in § 63.982(f), are to be followed for combined vent streams.
(f) When a scrubber is used as a control device, the owner or operator shall follow the guidance provided in this subpart for design evaluations or performance tests, as appropriate, and for monitoring, recordkeeping, and reporting.
(g) When there are conflicts between the due dates for reports presented in 40 CFR part 63, subpart SS and this subpart, reports shall be submitted according to the due dates presented in this subpart.
(h) When there are conflicts between the recordkeeping and reporting requirements presented in 40 CFR part 63, subpart SS and this subpart, the owner or operator shall either follow both sets of requirements (i.e., follow the requirements in 40 CFR part 63, subpart SS for emission points covered
by 40 CFR part 63, subpart SS and follow the requirements of this subpart for emission points covered by this subpart) or shall follow the set of requirements they prefer. If an owner or operator chooses to follow just one set of requirements, the owner or operator shall identify which set of requirements
are being followed and which set of requirements are being disregarded in the appropriate report.

Condition 219: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1412, Subpart OOO

Item 219.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006

Process: 012

Item 219.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The provisions of this section provide procedures and methods for determining the applicability of the control requirements specified in §63.1405 to continuous process vents.

Applicability assessment requirement. The organic HAP concentrations, volumetric flow rates, heating values, organic HAP emission rates, TRE index values, and engineering assessment control applicability assessment requirements are to be determined during maximum representative operating conditions for the process, except as provided in paragraph (d) of this section, or unless the Administrator specifies or approves alternate operating conditions. Operations during periods of malfunction shall not constitute representative conditions for the purpose of an applicability test.

Provisions listed elsewhere under 40 CFR 63 Subpart OOO .1412 shall be followed in determining applicability.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 220: Summary of test methods
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1414, Subpart OOO

Item 220.1:
This Condition applies to Emission Unit: 0-00006
Process: 012

Item 220.2:
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 221: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1415, Subpart OOO

Item 221.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 221.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Alternative monitoring parameters.

SI Group has been approved to use single pass carbon absorption system. Two beds will be in place with change-over to the fresh bed when one bed is spent. SI Group will monitor total hydrocarbon in accordance with Method 25A at the inlet and outlet to demonstrate removal effectiveness and outlet concentrations.

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.

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.

SI Group will utilize a 24 hour rolling concentration to demonstrate compliance with the emission limit listed below.

Parameter Monitored: TOTAL HYDROCARBONS (THC)

Upper Permit Limit: 50 parts per million (by volume)
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HR ROLLING AVG., CALCULATED EA. HR AS THE AVG OF THE PAST 24 OPERATING HRS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 222: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 222.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 222.2:
Compliance Certification 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.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 223: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 223.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 223.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Monitoring of bypass lines. The facility shall monitor the vent systems that contain bypass lines that could divert emissions away from a control device or control technology used to comply with the provisions of this subpart.

The operator shall 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. The facility shall also perform an annual visual inspection of the valve rotation.

Parameter Monitored: VALVE POSITION (% OPEN)
Upper Permit Limit: 0 percent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 224: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1416, Subpart OOO

Item 224.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 224.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 225: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 225.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 225.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Start-up, shutdown, and malfunction plan and records. The owner or operator of an affected source shall develop a startup, shutdown, and malfunction plan as specified in §63.6(e)(3) and shall keep the plan on-site. Records shall be kept as specified in paragraphs (b)(1) and (2) of this section. Records are not required for emission points that do not require control under this subpart.

(1) Records of the occurrence and duration of each start-up, shutdown, and malfunction of operation of process equipment, or control devices, or recovery devices, or continuous monitoring systems, or control technologies used to comply with this subpart during which excess emissions (as defined in §63.1400(k)(4)) occur.

(2) For each start-up, shutdown, or malfunction during which excess emissions (as defined in §63.1400(k)(4)) occur, records reflecting whether the procedures specified in the affected source's start-up, shutdown, and malfunction plan were followed and documentation of actions taken that are not consistent with the plan. For example, if a start-up, shutdown, and malfunction plan includes procedures for routing a control device to a backup control device (e.g., a halogenated stream could be routed to a flare during periods when the primary control device is out of service), records shall be kept of whether the plan was followed. These records may take the form of a “checklist” or other form of recordkeeping that confirms conformance with the start-up, shutdown, and malfunction plan for the event.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 226: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 226.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006

Process: 012

Item 226.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
SI Group has been approved to use alternative continuous monitoring and recordkeeping provisions under §63.1417(j) as allowed under §63.1415(e). Required records shall be retain for a period of 5 years each record specified in their approved Alternative Monitoring Parameters request.

SI Group 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.

SI Group shall calculate a 24 hour rolling average utilizing the continuous monitoring data described above. SI Group shall keep a record of the 24 hour rolling averages.

Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HR ROLLING AVG., CALCULATED EA. HR AS THE AVG OF THE PAST 24 OPERATING HRS
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 227: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 227.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 227.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each owner or operator of a batch process vent complying with §63.1406 or §63.1407 shall keep the records, as

applicable, contained in this regulation.

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

Condition 228: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 228.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 228.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
SI Group shall keep the following records, as applicable, readily accessible:

SI Group 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.

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.

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

Condition 229: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 229.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 229.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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.

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

Condition 230: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 230.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 230.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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.

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

Condition 231: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.1417, Subpart OOO

Item 231.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

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

Item 231.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
In addition to the reports and notifications required by Subpart A as specified in Table 1 of subpart OOO, the owner/operator shall prepare and submit the following reports (which are listed along with the schedule for their submittal in Table 5 of subpart OOO):

1) Precompliance Report:

- A precompliance report shall be submitted if the owner/operator is requesting an extension for compliance; requesting approval to use alternative monitoring parameters, alternative continuous monitoring and recordkeeping; alternative controls; requesting approval to use engineering assessment to estimate organic HAP emissions from a batch emissions episode as described in §63.1414(d)(6)(i)(C); wishing to establish parameter monitoring levels according to the procedures contained in §63.1413(a)(4)(ii); establishing parameter monitoring levels based on a design evaluation as specified in §63.1413(a)(3); following the procedures in §63.1413(e)(2); or requesting approval to incorporate a provisions for ceasing to collect monitoring data during a start-up, shutdown, or malfunction into the startup, shutdown, and malfunction plan when that monitoring equipment would be damaged if it did not cease to collect monitoring data, as permitted under §63.1417(d)(9). The precompliance report shall contain the information specified in §63.1417(d)(2) through (11), as appropriate. The precompliance report shall be submitted according to the schedule described in §63.1417(d)(1).

2) Notification of Compliance Status:

- A notification of compliance status report 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 40CFR63, 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 §63.1417(e)(1)-(6).

3) Periodic Reports:

- Periodic reports containing the information in §63.1417(f)(2) or §63.1417(f)(3)-(11) 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.
- For equipment leaks subject to §63.1410, the information specified in 40CFR63, subpart UU shall be submitted. For heat exchanger systems subject to §63.1409, the information specified in that section shall be submitted. §63.1415 shall govern the use of monitoring data to determine compliance for emissions points required to

apply controls by the provisions of Subpart OOO.

4) Start-up, shutdown, and malfunction reports:

- The semiannual startup, shutdown, and malfunction reports shall be submitted on the same schedule as the periodic reports described above. These reports shall contain the information specified in §63.1416(b)(1) and (2) and shall contain the name, title, and signature of the owner/operator or other responsible official who is certifying its accuracy.

5) Other reports:

- For storage vessels, the notifications of inspections required by 40CFR63, subpart WW shall be submitted.
- A site-specific test plan shall be submitted no later than 90 days before the planned date for a performance test. Unless the NYSDEC 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.
- Notification of the intention to conduct a performance test shall be submitted at least 30 days prior to the test to allow the opportunity for an observer to be present
- When the conditions of §63.1400(g)(7) or (8) are met, notifications 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.
- If an APPU or emissions point(s) 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 §63.1417(h)(5)(i) through (ii).
- The information in §63.1417(h)(6)(i) and (ii) shall be submitted when a small control device becomes a large control device.
- Whenever a continuous process vent becomes subject to control requirements under 40CFR63, subpart SS as a result of a process change, the owner/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 and shall contain the information specified in §63.1417(h)(7)(i)-(iii).
- The owner/operator who has been directed by any

condition that references §63.1417(j) to set unique monitoring parameters, or who requests approval to monitor a different parameter than those specified in §63.1415(BB), shall submit the information specified in §63.1417(j)(1)-(3) in the precompliance report.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 232: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 232.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 232.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Owners or operators of affected sources requesting an extension for compliance; requesting approval to use alternative monitoring parameters, alternative continuous monitoring and recordkeeping, or alternative controls; requesting approval to use engineering assessment to estimate organic HAP emissions from a batch emissions episode as described in §63.1414(d)(6)(i)(C); wishing to establish parameter monitoring levels according to the procedures contained in §63.1413(a)(4)(ii); establishing parameter monitoring levels based on a design evaluation as specified in §63.1413(a)(3); following the procedures in §63.1413(e)(2); or requesting approval to incorporate a provision for ceasing to collect monitoring data during a start-up, shutdown, or malfunction into the startup, shutdown, and malfunction plan when that monitoring equipment would be damaged if it did not cease to collect monitoring data, as permitted under §63.1417(d)(9), shall submit a Precompliance Report according to the schedule described in paragraph (d)(1) of this section. The Precompliance Report shall contain the information specified in paragraphs (d)(2) through (11) of this section, as appropriate.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 233: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 233.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 233.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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 (6) of this section

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

Condition 234: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 234.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 234.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For existing and new affected sources, each owner or operator shall submit Periodic Reports as specified in

paragraph (f)(1) of this section. 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.

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

Condition 235: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 235.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 235.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For the purposes of this subpart, the semiannual start-up, shutdown, and malfunction reports shall be submitted on the same schedule as the Periodic Reports required under paragraph (f) of this section instead of being submitted on the schedule specified in §63.10(d)(5)(i). Said reports shall include the information specified in §63.1416(b)(1) and (2) and shall contain the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy.

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

Condition 236: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 236.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 236.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(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 40 CFR part 63, subpart SS, 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.

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

Condition 237: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 237.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 237.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(j) 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.

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

Condition 238: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 238.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 012

Item 238.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(k) 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.

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

Condition 2-8: General standards - identification of equipment
Effective between the dates of 08/16/2018 and 05/31/2021

Applicable Federal Requirement:40CFR 63.162(c), Subpart H

Item 2-8.1:
This Condition applies to Emission Unit: 0-00006
Process: 013

Item 2-8.2:
Each piece of equipment to which Subpart H applies shall be identified such that it can be distinguished readily from equipment that is not subject to Subpart H. This does not require physical tagging, but may be identified on a plant site plan, log entries, or by designation of process unit boundaries by some form of weatherproof identification.

Condition 240: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.996, Subpart SS

Item 240.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

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

Item 240.2:
Compliance Certification 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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 241: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.997, Subpart SS

Item 241.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

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

Item 241.2:
Compliance Certification 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 242: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 242.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 242.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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 243: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 243.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 243.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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 244: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 244.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 244.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(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 245: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 245.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 245.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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 246: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

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

Item 246.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 246.2:
Compliance Certification 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 247: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2460, Subpart FFFF

Item 247.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 247.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) 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.

(b) 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).

(c) Exceptions to the requirements in subparts SS and WW

of this part 63 are specified in paragraphs (c)(1) through (9) of this section.

(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.

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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.

(9) Requirements for a biofilter. If you use a biofilter to meet either the 95 percent reduction requirement or

outlet concentration requirement specified in Table 2 to this subpart, you must meet the requirements specified in paragraphs (c)(9)(i) through (iv) of this section.

(i) Operational requirements. The biofilter must be operated at all times when emissions are vented to it.

(ii) Performance tests. To demonstrate initial compliance, you must conduct a performance test according to the procedures in §63.997 and paragraphs (c)(9)(ii)(A) through (D) of this section. The design evaluation option for small control devices is not applicable if you use a biofilter.

(A) Keep up-to-date, readily accessible continuous records of either the biofilter bed temperature averaged over the full period of the performance test or the outlet total organic HAP or TOC concentration averaged over the full period of the performance test. Include these data in your notification of compliance status report as required by §63.999(b)(3)(ii).

(B) Record either the percent reduction of total organic HAP achieved by the biofilter determined as specified in §63.997(e)(2)(iv) or the concentration of TOC or total organic HAP determined as specified in §63.997(e)(2)(iii) at the outlet of the biofilter, as applicable.

(C) If you monitor the biofilter bed temperature, you may elect to use multiple thermocouples in representative locations throughout the biofilter bed and calculate the average biofilter bed temperature across these thermocouples prior to reducing the temperature data to 15 minute (or shorter) averages for purposes of establishing operating limits for the biofilter. If you use multiple thermocouples, include your rationale for their site selection in your notification of compliance status report.

(D) Submit a performance test report as specified in §63.999(a)(2)(i) and (ii). Include the records from paragraph (c)(9)(ii)(B) of this section in your performance test report.

(iii) Monitoring requirements. Use either a biofilter bed temperature monitoring device (or multiple devices) capable of providing a continuous record or an organic monitoring device capable of providing a continuous record. Keep records of temperature or other parameter monitoring results as specified in §63.998(b) and (c), as applicable. General requirements for monitoring are

contained in §63.996. If you monitor temperature, the operating temperature range must be based on only the temperatures measured during the performance test; these data may not be supplemented by engineering assessments or manufacturer's recommendations as otherwise allowed in §63.999(b)(3)(ii)(A). If you establish the operating range (minimum and maximum temperatures) using data from previous performance tests in accordance with §63.996(c)(6), replacement of the biofilter media with the same type of media is not considered a process change under §63.997(b)(1). You may expand your biofilter bed temperature operating range by conducting a repeat performance test that demonstrates compliance with the 95 percent reduction requirement or outlet concentration limit, as applicable.

(iv) Repeat performance tests. You must conduct a repeat performance test using the applicable methods specified in §63.997 within 2 years following the previous performance test and within 150 days after each replacement of any portion of the biofilter bed media with a different type of media or each replacement of more than 50 percent (by volume) of the biofilter bed media with the same type of media.

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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 248: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2475, Subpart FFFF

Item 248.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 248.2:
Compliance Certification 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 249: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2495, Subpart FFFF

Item 249.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 249.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
You may elect to comply with the pollution prevention alternative requirements specified in paragraphs (a) (1) and (2) of this section in lieu of the emission limitations and work practice standards contained in Tables 1 through 7 to this subpart for any MCPU for which initial startup occurred before April 4, 2002.

(1) You must reduce the production-indexed HAP consumption factor (HAP factor) by at least 65 percent from a 3-year average baseline beginning no earlier than the 1994 through 1996 calendar years. For any reduction in the HAP factor that you achieve by reducing HAP that are also volatile organic compounds (VOC), you must demonstrate an equivalent reduction in the production-indexed VOC consumption factor (VOC factor) on a mass basis. For any reduction in the HAP factor that you achieve by reducing a HAP that is not a VOC, you may not increase the VOC factor.

(2) Any MCPU for which you seek to comply by using the

pollution prevention alternative must begin with the same starting material(s) and end with the same product(s). You may not comply by eliminating any steps of a process by transferring the step offsite (to another manufacturing location). You may also not merge a solvent recovery step conducted offsite to onsite and as part of an existing process as a method of reducing consumption.

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

Condition 250: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2500, Subpart FFFF

Item 250.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 250.2:
Compliance Certification 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 251: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2505, Subpart FFFF

Item 251.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 251.2:
Compliance Certification 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.

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

Condition 252: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2515, Subpart FFFF

Item 252.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

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

Item 252.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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 253: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2520, Subpart FFFF

Item 253.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

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

Item 253.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each report must be submitted by the date in table 11 to this subpart and according to the applicable paragraphs of this section.

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.

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.

All reports musts be completed and include all applicable information in accordance with 40 CFR 63.2520 Subpart FFFF.

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

Condition 254: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2525, Subpart FFFF

Item 254.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 254.2:
Compliance Certification 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 as applicable.

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

Condition 255: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2535(a), Subpart FFFF

Item 255.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 255.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(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 256: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2535(b), Subpart FFFF

Item 256.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013

Item 256.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Compliance with 40 CFR parts 264 and 265, subparts AA, BB, and/or CC. (1) After the compliance dates specified in §63.2445, if a control device that you use to comply with this subpart is also subject to monitoring, recordkeeping, and reporting requirements in 40 CFR part 264, subpart AA,

BB, or CC; or the monitoring and recordkeeping requirements in 40 CFR part 265, subpart AA, BB, or CC; and you comply with the periodic reporting requirements under 40 CFR part 264, subpart AA, BB, or CC that would apply to the device if your facility had final-permitted status, you may elect to comply either with the monitoring, recordkeeping, and reporting requirements of this subpart; or with the monitoring and recordkeeping requirements in 40 CFR part 264 or 265 and the reporting requirements in 40 CFR part 264, as described in this paragraph (b)(1), which constitute compliance with the monitoring, recordkeeping, and reporting requirements of this subpart. If you elect to comply with the monitoring, recordkeeping, and reporting requirements in 40 CFR parts 264 and/or 265, you must report the information described in §63.2520(e).

(2) After the compliance dates specified in §63.2445, if you have an affected source with equipment that is also subject to 40 CFR part 264, subpart BB, or to 40 CFR part 265, subpart BB, then compliance with the recordkeeping and reporting requirements of 40 CFR parts 264 and/or 265 may be used to comply with the recordkeeping and reporting requirements of this subpart, to the extent that the requirements of 40 CFR parts 264 and/or 265 duplicate the requirements of this subpart.

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

Condition 257: General provisions of subpart A
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2540, Subpart FFFF

Item 257.1:
This Condition applies to Emission Unit: 0-00006
Process: 013

Item 257.2:
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 258: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:40CFR 63.2450(c)(2), Subpart FFFF

Item 258.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 013 Emission Source: 636T0

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 258.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Based on the latest approved stack test the facility shall maintain the temperature of the RTO above the temperature determined during that stack test. To ensure continued compliance with the requirements, the average combustion chamber temperature of the oxidizer shall be maintained above the determined temperature, and will be monitored on a continuous basis using an electronic recorder. Continuous readings shall be averaged on a 3 hour rolling average to demonstrate compliance with the temperature limit. One hour temperature averaging date must be maintained at the facility for a period of five years. In addition, semiannual reports shall be submitted to the Department reporting all periods that the temperature of the oxidizer system is below the stated value.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1558 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 259: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.3 (b)

Item 259.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 042 Emission Source: SB001

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 259.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

The facility shall operate the belt flaking process according to standard operating procedures for the batch being produced.

The facility owner/operator shall conduct a visible emissions observation (determining the presence or absence of visible emissions) of the emission sources once each day while the process is operating. If opacity is observed while the belt flakers are operating, they shall be shut down as soon as possible. If any visible emissions are noted, corrective actions are required.

If any visible emissions are observed for three consecutive operating days, the facility owner/operator will notify the Department of the observations within two business days.

Records of batch observations are to be maintained, including corrective actions taken, on-site for a period of five years.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 260: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.3 (b)

Item 260.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 042 Emission Source: SB003

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 260.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The facility shall operate the belt flaking process according to standard operating procedures for the batch being produced.

The facility owner/operator shall conduct a visible emissions observation (determining the presence or absence of visible emissions) of the emission sources once each day while the process is operating. If opacity is observed while the belt flakers are operating, they shall be shut down as soon as possible. If any visible emissions are noted, corrective actions are required.

If any visible emissions are observed for three consecutive operating days, the facility owner/operator will notify the Department of the observations within two business days.

Records of batch observations are to be maintained, including corrective actions taken, on-site for a period of five years.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 2-6: Compliance Certification
Effective between the dates of 08/16/2018 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 2-6.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006

Process: 042 Emission Source: SB03S

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 2-6.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The facility shall operate the belt flaking process according to standard operating procedures for the batch being produced. The pressure drop across the mineral oil scrubber shall be maintained so as not to exceed 3.0 inches of water.

Work Practice Type: DAYS PER YEAR OPERATION
Parameter Monitored: PRESSURE DROP
Upper Permit Limit: 3.00 inches of water
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 12 calendar month(s).

Condition 2-7: Compliance Certification
Effective between the dates of 08/16/2018 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 2-7.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 042 Emission Source: SB03S

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 2-7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The control of particulate emissions released from new and modified process emission sources.
Emissions from any process emission source for which an application was received by the department after July 1,

1973 are restricted as follows:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of Subdivisions 212-2.5(a) and (b) of this Part.

Parameter Monitored: PM-10
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 262: Compliance Certification
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable Federal Requirement:6 NYCRR 212.3 (b)

Item 262.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00006
Process: 042 Emission Source: SB03S

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 262.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The facility shall operate the belt flaking process according to standard operating procedures for the batch being produced. The demister pad differential pressure shall be maintained within the specified range.

Parameter Monitored: PRESSURE
Lower Permit Limit: 1.5 inches of water
Upper Permit Limit: 4.5 inches of water
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

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: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;
(3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner 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 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 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 applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 263: Contaminant List
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable State Requirement:ECL 19-0301

Item 263.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY075-00-5
Name: PM-10

CAS No: 0NY100-00-0
Name: TOTAL HAP

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0
Name: VOC

Condition 264: Malfunctions and start-up/shutdown activities
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable State Requirement:6 NYCRR 201-1.4

Item 264.1:
(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 265: Visible Emissions Limited
Effective between the dates of 06/17/2016 and 05/31/2021

Applicable State Requirement:6 NYCRR 211.2

Item 265.1:
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.