PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-2699-00126/00001
Effective Date: 09/11/2015 Expiration Date: 09/10/2020

Permit Issued To:RED-ROCHESTER LLC
640 QUAIL RIDGE DR
WESTMONT, IL 60559

Contact: MELISSA MULLARKEY
RED-ROCHESTER LLC
640 QUAIL RIDGE DR
WESTMONT, IL 60559
(630) 590-6049

Facility: RED-ROCHESTER LLC AT EASTMAN BUSINESS PARK
EASTMAN BUSINESS PARK BUILDINGS 091, 095, 311, 602, 096, R16, 031, 321, M90, 001, 027, 087, 322, 402, & 511
ROCHESTER, NY 14650-0001

Contact: BERNARD M NEE, JR
RED-ROCHESTER LLC
1200 RIDGEWAY AVENUE, SUITE 2121
ROCHESTER, NY 14615-0001

Description:
Renewal and modification of the RED-Rochester LLC Title V Facility Permit for utility operations, which include coal, oil and natural gas fired boilers producing steam and electrical power for commercial customers in Eastman Business Park. Other RED operations include wastewater treatment operations, wastewater sludge incineration, solvent based metal part cleaning operations, and emergency power generator operations. RED's operations occur in 7 buildings in Eastman Business Park, Buildings 31, 321, M90, 95, 91, R16, and 96. RED's emergency generating operations occur throughout Eastman Business Park.

This Permit authorizes conversion of Building 321 coal fired boiler operations to natural gas with some #2 fuel oil backup. The extent of the conversion is dependent on the volume of natural gas to be available at Eastman Business Park. The preferred "Scenario 1" conversion of all coal burning operations to natural gas, is dependent on an increased natural gas supply to the boiler locations with the installation of a new natural gas pipeline. An alternate "Scenario 2" conversion, of part of the coal burning operations to natural gas, is a contingency if the new pipeline does not become available.

Both Scenarios decommission six boilers, the currently shut down 640 million BTU per hour (MBTU/hr) coal fired Boiler 41, the operating 670 MBTU/hr coal fired Boiler 42, and four operating 98 MBTU/hr #6 fuel oil fired package boilers.

Scenario 1 permanently shuts down the 640 MBTU/hr coal fired Boiler 43. Scenario 2 continues to operate Boiler 43 on coal as a backup, and limits its heat input to 560,000 MBTU/year, 10 percent of its annual operating capacity. Boiler 43 will then meet the definition of a Limited-use boiler in 40 CFR 63 Subpart DDDDD NESHAP for Major Sources: Industrial Boilers.

New installations for Scenario 2 include three 160 MBTU/hr natural gas fired turbine generators, each fitted with a 245 MBTU/hr natural gas fired Heat Recovery Steam Generating Unit, and a single new 275 MBTU/hr dual fuel package boiler able to burn either natural gas or #2 fuel oil, to replace the decommissioned boilers and 90 percent of current coal fired Boiler 43 operations. 670 MBTU/hr coal fired Boiler 44 will continue to operate in Scenario 2, and will be required to meet Subpart DDDDD requirements.

In Scenario 1, the turbine generators, steam generating units, and dual fuel boiler indicated above will be part of a larger conversion project. In addition, a new 343 MBTU/hr high pressure dual fuel natural gas or #2 fuel oil boiler, and two new 343 MBTU/hr high pressure natural gas boilers will also be installed. Finally, Boiler 44 will be converted from coal fired to dual fuel natural gas or #2 fuel oil operation, with a slightly reduced 622 MBTU/hr heat capacity.

This Permit includes ERC based on 6NYCRR Part 231-10 for the complete conversion to natural gas, and also for the partial “Scenario 2” conversion. Some of these ERC are for conversion project “Netting” to avoid 6NYCRR Part 231-6 and Part 231-8 significant project thresholds.

For Scenario 1, these ERC represent emissions reductions in oxides of nitrogen (NO_X) of 568.7 tons per year (t/y), volatile organic compounds (VOC) of 18.1 t/y, carbon monoxide (CO) of 108.8 t/y, sulfur dioxide (SO_2) of 12,690.3 t/y, particulate matter smaller than 2.5 microns (PM-2.5) of 570.8 t/y, particulate matter smaller than 10 microns (PM-10) of 719.4 t/y, and total particulate matter (PM) of 870.9 t/y.

Applying 466.9 t/y of the 568.7 t/y NO_X ERC, and 2.9 t/y of the 18.1 t/y VOC ERC to the Scenario 1 project keeps NO_X and VOC emission increases below the 40 t/y significant net increase thresholds in Part 231-6 Modifications to Existing Major Facilities in the Ozone Transport Region. RED-Rochester will retain 101.8 t/y of NO_X ERC and 15.2 t/y of VOC ERC.

Applying 52.3 t/y of the PM-2.5 ERC, 47.8 t/y of the PM-10 ERC, and 37.8 t/y of the PM ERC to the Scenario 1 project will keep Project Emission Potentials below significant net increase thresholds in Part 231-8 Modifications to Existing

Major Facilities in Attainment Areas (Prevention of Significant Deterioration), of 10 t/y of PM-2.5, 15 t/y of PM-10, and 25 t/y of total PM.

This Permit also restricts the increase in CO emissions from Scenario 1 to 250 t/y by limiting operations and requiring catalytic controls. This is below the 100 t/y increase significant project threshold in Part 231-8, after the entire 108.8 t/y CO ERC for the reductions listed above are applied, and the 42.3 t/y of projected CO emissions from converted Boiler 44 are added. Project emission limits for Scenario 1 are 684.0 t/y of NO_X, 71.2 t/y of PM 2.5, PM-10, and PM, and 44.0 t/y of VOC.

For Scenario 2, these ERC would represent emissions reductions of 512.7 t/y of NO_X, 17.4 t/y of VOC, 103.4 t/y of CO, 12,410.3 t/y of SO_2, 523.3 t/y of PM-2.5, 622 t/y of PM-10, and 803.7 t/y of PM.

Applying 217.4 t/y of the 512.7 t/y NO_X ERC to the Scenario 2 project will keep the NO_X Project Emission Potential below the 40 t/y significant net increase threshold in Part 231-6 Modifications to Existing Major Facilities in the Ozone Transport Region. RED-Rochester would retain 295.3 t/y of NO_X ERC. With the Scenario 2 Project Emission Potential below the 40 t/y Part 231-6 threshold for VOC, RED-Rochester would retain the entire 17.4 t/y VOC ERC.

Applying 30.2 t/y of the PM-2.5 ERC, 25.2 t/y of the PM-10 ERC, and 15.2 t/y of the PM ERC to the Scenario 2 expansion project will keep Project Emission Potentials below significant net increase thresholds in Part 231-8 Modifications to Existing Major Facilities in Attainment Areas (Prevention of Significant Deterioration), of 10 t/y of PM-2.5, 15 t/y of PM-10, and 25 t/y of total PM.

Additionally, this Permit restricts the increase in CO emissions from the Scenario 2 conversion project to 207 t/y by limiting operations and requiring catalytic controls. This is below the 100 t/y increase significant project threshold in Part 231-8, after the entire 103.4 t/y CO ERC for the reductions listed above are applied, and 5.4 t/y of projected CO emissions from the limited use Boiler 43 are added. Project emission limits for Scenario 2. are 424.4 t/y of NO_X, 86.7 t/y of PM-2.5, 96.5 t/y of PM-10, and 106.4 t/y of PM. Boiler 43 would be operated as a 40 CFR 63 Subpart DDDDD Limited-use boiler restricted to 560,000 MBTU heat input per year.

This Permit also includes revised operating limits for the Multiple Hearth Incinerator located at Building 95 at Kings Landing Waste Water Treatment Plant. The updated limits reflect the latest testing conducted in July 2013 to demonstrate compliance with the Hazardous Waste Combustors MACT in 40 CFR 63 Subpart EEE.

This Permit also includes a new Part 212.10 RACT limit of 9 t/y of VOC emissions from the odor control trickling filter at Kings Landing Wastewater

Treatment Plant. The decrease from the previous 11 t/y is based on data calculated from decreased influent loading. The Permit requires a minimum flow rate to ensure proper operation of the scrubber system. No additional VOC control options were found to be both technologically and economically feasible.

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: SCOTT SHEELEY
NYSDEC - REGION 8
6274 E AVON-LIMA RD
AVON, NY 14414

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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

LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Permit modifications, suspensions or revocations by the Department

Facility Level

Submission of application for permit modification or renewal-REGION 8 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: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

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

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

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

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

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

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

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

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

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

submitted prior to actual transfer of ownership.

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

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 8 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 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(585) 226-2466

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:RED-ROCHESTER LLC
640 QUAIL RIDGE DR
WESTMONT, IL 60559

Facility: RED-ROCHESTER LLC AT EASTMAN BUSINESS PARK
EASTMAN BUSINESS PARK BUILDINGS 091, 095, 311, 602, 096, R16, 031, 321, M90, 001, 027, 087, 322, 402, & 511
ROCHESTER, NY 14650-0001

Authorized Activity By Standard Industrial Classification Code:
4931 - ELEC & OTHER SERVICES COMBINED

Permit Effective Date: 09/11/2015 Permit Expiration Date: 09/10/2020

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
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
24 6 NYCRR 211.1: Air pollution prohibited
25 6 NYCRR Subpart 231-10: Scenario 1 Emission Reduction Credits
26 6 NYCRR Subpart 231-10: Scenario 2 Emission Reduction Credits
27 40CFR 61, NESHAP Subpart M: National Emission Standard for Asbestos
28 40CFR 61.342(a), NESHAP Subpart FF: Compliance Certification
29 40CFR 61.356(a), NESHAP Subpart FF: Recordkeeping
30 40CFR 61.356(b)(1), NESHAP Subpart FF: Compliance Certification
31 40CFR 61.357(a), NESHAP Subpart FF: Compliance Certification
32 40CFR 61.357(b), NESHAP Subpart FF: Compliance Certification
33 40CFR 63.6(i)(4)(i)('A'), Subpart A: Compliance Certification
34 40CFR 63, Subpart ZZZZ: Applicability
35 40CFR 63.6665, Subpart ZZZZ: General provisions
36 40 CFR 64.7: Compliance Certification
37 40 CFR 64.8: Compliance Certification
38 40 CFR 64.9: Compliance Certification

Emission Unit Level

39 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
40 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=E-NGINE

41 6 NYCRR 227-1.3 (a): Compliance Certification
42 6 NYCRR 227-2.4 (d): Compliance Certification
43 6 NYCRR 212.6 (a): Compliance Certification

EU=U-00008

44 40CFR 63.680(f), Subpart DD: Applicability of 40CFR63 Subpart A - general provisions
45 40CFR 63.680(f), Subpart DD: Compliance Certification
46 40CFR 63.683(b)(2)(ii), Subpart DD: Compliance Certification

EU=U-00008,Proc=K02

47 40CFR 61, NESHAP Subpart A: Applicability of General Provisions of 40 CFR 61, Subpart A
48 40CFR 63.1200(c), Subpart EEE: Compliance Certification
49 40CFR 63.1206(c)(3), Subpart EEE: §63.1206(c)(3)(ii) - Ducting of combustion gases
50 40CFR 63.1209(a)(6), Subpart EEE: Compliance Certification
51 40CFR 63.1209(b)(5), Subpart EEE: Compliance Certification
52 40CFR 63.1211(a), Subpart EEE: Compliance Certification
53 40CFR 63.1211(a), Subpart EEE: Compliance Certification

EU=U-00008,Proc=K04

54 6 NYCRR 229.5 (d): Compliance Certification

EU=U-00008,Proc=K04,ES=091AE

55 6 NYCRR 229.3 (e) (2) (v): VOL storage tanks less than 10000 gallons

EU=U-00008,Proc=K04,ES=095AK

56 6 NYCRR 229.3 (e) (2) (iv): VOL storage tanks from 10000 - 20000 gallons

EU=U-00008,EP=09503

57 6 NYCRR 212.10 (c) (3): Compliance Certification
58 40CFR 63.1206(c), Subpart EEE: Compliance Certification
59 40CFR 63.1206(c)(2), Subpart EEE: Compliance Certification
60 40CFR 63.1206(c)(3), Subpart EEE: §63.1206(c)(3)(v) - Corrective measures
61 40CFR 63.1206(c)(3), Subpart EEE: Compliance Certification
62 40CFR 63.1206(c)(3), Subpart EEE: Compliance Certification
63 40CFR 63.1206(c)(4), Subpart EEE: Corrective measures after an emergency safety vent opening
64 40CFR 63.1206(c)(4), Subpart EEE: Compliance Certification
65 40CFR 63.1206(c)(4), Subpart EEE: Compliance Certification
66 40CFR 63.1206(c)(4), Subpart EEE: Compliance Certification
67 40CFR 63.1206(c)(5), Subpart EEE: Compliance Certification
68 40CFR 63.1206(c)(6), Subpart EEE: §63.1206(c)(6)(ii) - Certified operator on site
69 40CFR 63.1206(c)(6), Subpart EEE: §63.1206(c)(6)(vii) - Record of training and certification
70 40CFR 63.1206(c)(6), Subpart EEE: Compliance Certification
71 40CFR 63.1206(c)(6), Subpart EEE: Compliance Certification
72 40CFR 63.1206(c)(7), Subpart EEE: Compliance Certification

73 40CFR 63.1207, Subpart EEE: Comprehensive Performance Test (CPT)
74 40CFR 63.1207, Subpart EEE: Confirmatory Performance Test (CT)
75 40CFR 63.1207(j)(1), Subpart EEE: Notification of compliance for comprehensive performance test
76 40CFR 63.1207(j)(2), Subpart EEE: Notification of compliance for confirmatory performance testing
77 40CFR 63.1207(l), Subpart EEE: Failure of performance test - comprehensive test
78 40CFR 63.1207(l), Subpart EEE: Failure of performance test - confirmatory test
79 40CFR 63.1209(b), Subpart EEE: Compliance Certification
80 40CFR 63.1209(c)(2), Subpart EEE: Compliance Certification
81 40CFR 63.1209(g)(2), Subpart EEE: Compliance Certification
82 40CFR 63.1209(g)(2), Subpart EEE: Compliance Certification
83 40CFR 63.1209(g)(2), Subpart EEE: Compliance Certification
84 40CFR 63.1209(g)(2), Subpart EEE: Compliance Certification
85 40CFR 63.1209(g)(2), Subpart EEE: Compliance Certification
86 40CFR 63.1209(g)(2), Subpart EEE: Compliance Certification
87 40CFR 63.1209(k)(2), Subpart EEE: Compliance Certification
88 40CFR 63.1209(k)(2), Subpart EEE: Compliance Certification
89 40CFR 63.1209(k)(4), Subpart EEE: Compliance Certification
90 40CFR 63.1209(l)(1), Subpart EEE: Compliance Certification
91 40CFR 63.1209(l)(2), Subpart EEE: Compliance Certification
92 40CFR 63.1209(m)(1)(i)('A'), Subpart EEE: Compliance Certification
93 40CFR 63.1209(m)(1)(i)('B')('1'), Subpart EEE: Compliance Certification
94 40CFR 63.1209(m)(1)(i)('B')('1'), Subpart EEE: Compliance Certification
95 40CFR 63.1209(m)(1)(i)('C'), Subpart EEE: Compliance Certification
96 40CFR 63.1209(m)(1)(i)('C'), Subpart EEE: Compliance Certification
97 40CFR 63.1209(m)(3), Subpart EEE: Compliance Certification
98 40CFR 63.1209(n)(2), Subpart EEE: Compliance Certification
99 40CFR 63.1209(n)(2), Subpart EEE: Compliance Certification
100 40CFR 63.1209(o)(1), Subpart EEE: Compliance Certification
101 40CFR 63.1209(o)(3)(ii), Subpart EEE: Compliance Certification
102 40CFR 63.1209(o)(3)(iv), Subpart EEE: Compliance Certification
103 40CFR 63.1209(o)(3)(v), Subpart EEE: Compliance Certification
104 40CFR 63.1211(b), Subpart EEE: Compliance Certification
105 40CFR 63.1219(a), Subpart EEE: Compliance Certification
106 40CFR 63.1219(a), Subpart EEE: Compliance Certification

EU=U-00008,EP=09504,Proc=K06,ES=095AG
107 6 NYCRR 212.4 (c): Compliance Certification

EU=U-00008,EP=09508,Proc=K06,ES=095AJ
108 6 NYCRR 212.4 (c): Compliance Certification

EU=U-00008,EP=09601,Proc=K06,ES=096AA
109 6 NYCRR 212.10 (f): Compliance Certification
110 6 NYCRR 212.10 (f): Compliance Certification

EU=U-00008,EP=R1601,Proc=K06
111 6 NYCRR 212.10 (c) (4) (iii): Compliance Certification
112 6 NYCRR 212.10 (c) (4) (iii): Compliance Certification

EU=U-00015

113 6 NYCRR 201-6.4 (f): Compliance Certification
114 6 NYCRR 201-6.6: Compliance Certification
115 6 NYCRR 225-1.2 (a): Compliance Certification
116 6 NYCRR 225-1.2 (c): Compliance Certification
117 6 NYCRR 225-1.2 (e): Compliance Certification
118 6 NYCRR 225-1.2 (f): Compliance Certification
119 6 NYCRR 225-1.2 (h): Compliance Certification
120 6 NYCRR 225-1.4: Compliance Certification
121 6 NYCRR 225-1.4: Compliance Certification
122 6 NYCRR 225-1.5: Compliance Certification
123 6 NYCRR 225-1.6 (f): Compliance Certification
124 6 NYCRR 227-1.3 (a): Compliance Certification
125 6 NYCRR 227-1.3 (a): Compliance Certification
126 6 NYCRR 227-1.4 (b): Compliance Certification
127 6 NYCRR 227-1.4 (c): Stack Monitoring
128 6 NYCRR Subpart 227-2: Compliance Certification
129 6 NYCRR Subpart 227-2: Compliance Certification
130 6 NYCRR 227-2.4 (a) (1) (ii): Compliance Certification
131 6 NYCRR 227-2.4 (a) (1) (ii): Compliance Certification

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132 6 NYCRR 227-2.4 (a) (2): Compliance Certification
133 6 NYCRR 227-2.4 (e) (3): Compliance Certification
134 6 NYCRR 227-2.6: Compliance Certification
135 6 NYCRR 227-2.6 (b): Compliance Certification
136 6 NYCRR 231-6.2: Compliance Certification
137 6 NYCRR 231-6.2: Compliance Certification
138 6 NYCRR 231-6.2: Compliance Certification
139 6 NYCRR 231-8.2: Compliance Certification
140 6 NYCRR 231-8.2: Compliance Certification
141 6 NYCRR 231-8.2: Compliance Certification
142 6 NYCRR 231-8.2: Compliance Certification
143 6 NYCRR 231-8.2: Compliance Certification
144 6 NYCRR 231-8.2: Compliance Certification
145 6 NYCRR 231-8.2: Compliance Certification
146 6 NYCRR 231-8.2: Compliance Certification
147 40CFR 52.21, Subpart A: Compliance Certification
148 40CFR 52.21, Subpart A: Compliance Certification
149 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
150 40CFR 60.42b(k)(2), NSPS Subpart Db: Compliance Certification
151 40CFR 60.43b(h)(5), NSPS Subpart Db: Exemption from PM standards.
152 40CFR 60.48b(j), NSPS Subpart Db: PM monitoring exemption.
153 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification

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154 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
155 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
156 40CFR 63.7495(a), Subpart DDDDD: Compliance Certification

EU=U-00015
157 40CFR 63.7495(b), Subpart DDDDD: Compliance Certification
158 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
159 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
160 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
161 40CFR 63.7500(a)(2), Subpart DDDDD: Compliance Certification
162 40CFR 63.7500(a)(2), Subpart DDDDD: Compliance Certification
163 40CFR 63.7500(a)(2), Subpart DDDDD: Compliance Certification

EU=U-00015
164 40CFR 63.7500(a)(3), Subpart DDDDD: Good air pollution control practices
165 40CFR 63.7500(c), Subpart DDDDD: Compliance Certification

EU=U-00015
166 40CFR 63.7501(a), Subpart DDDDD: Affirmative defense
167 40CFR 63.7501(b), Subpart DDDDD: Compliance Certification

EU=U-00015
168 40CFR 63.7505(c), Subpart DDDDD: Demonstrating Compliance
169 40CFR 63.7505(d), Subpart DDDDD: Compliance Certification

EU=U-00015
170 40CFR 63.7510(e), Subpart DDDDD: Initial compliance date for existing sources
171 40CFR 63.7510(g), Subpart DDDDD: Initial compliance date for new sources subject to work practices
172 40CFR 63.7510(j), Subpart DDDDD: Initial compliance for boilers not in operation
173 40CFR 63.7520, Subpart DDDDD: Compliance Certification
174 40CFR 63.7521(a), Subpart DDDDD: Compliance Certification
175 40CFR 63.7525(a), Subpart DDDDD: Compliance Certification
176 40CFR 63.7525(f), Subpart DDDDD: Compliance Certification
177 40CFR 63.7525(k), Subpart DDDDD: Compliance Certification
178 40CFR 63.7530(a), Subpart DDDDD: Compliance Certification
179 40CFR 63.7530(b), Subpart DDDDD: Compliance Certification
180 40CFR 63.7530(c), Subpart DDDDD: Compliance Certification
181 40CFR 63.7530(e), Subpart DDDDD: Compliance Certification
182 40CFR 63.7530(h), Subpart DDDDD: Compliance Certification
183 40CFR 63.7535, Subpart DDDDD: Compliance Certification
184 40CFR 63.7540(a), Subpart DDDDD: Compliance Certification

EU=U-00015
185 40CFR 63.7545(c), Subpart DDDDD: New source notification
186 40CFR 63.7545(d), Subpart DDDDD: Compliance Certification

EU=U-00015
187 40CFR 63.7545(e), Subpart DDDDD: Notification of compliance status
188 40CFR 63.7550(b), Subpart DDDDD: Compliance Certification
189 40CFR 63.7550(c), Subpart DDDDD: Compliance Certification
190 40CFR 63.7550(d), Subpart DDDDD: Compliance Certification
191 40CFR 63.7550(e), Subpart DDDDD: Compliance Certification
192 40CFR 63.7550(h), Subpart DDDDD: Compliance Certification

193 40CFR 63.7555(a), Subpart DDDDD: Compliance Certification
194 40CFR 63.7555(b), Subpart DDDDD: Compliance Certification
195 40CFR 63.7555(c), Subpart DDDDD: Compliance Certification
196 40CFR 63.7555(d), Subpart DDDDD: Compliance Certification
197 40CFR 63.7555(i), Subpart DDDDD: Compliance Certification
198 40CFR 63.7555(j), Subpart DDDDD: Compliance Certification
199 40CFR 63.7560, Subpart DDDDD: Compliance Certification

EU=U-00015
200 40CFR 63.7565, Subpart DDDDD: General Provisions
201 40 CFR Part 64: Compliance Certification
202 40 CFR Part 64: Compliance Certification
203 40 CFR Part 64: Compliance Certification

EU=U-00015,Proc=K07
204 6 NYCRR 227-1.2 (a) (1): Compliance Certification
205 6 NYCRR 227-2.5 (c): Compliance Certification
206 6 NYCRR 227-2.5 (c): Compliance Certification

EU=U-00015,Proc=K12
207 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=U-00015,Proc=K13
208 6 NYCRR 227-2.4 (a) (2): Compliance Certification

EU=U-00015,Proc=K13,ES=321AH
209 6 NYCRR 227-1.2 (a) (4): Compliance Certification

EU=U-00015,Proc=K13,ES=321AI
210 6 NYCRR 227-1.2 (a) (4): Compliance Certification
211 6 NYCRR Subpart 231-10: Compliance Certification

EU=U-00015,Proc=K14
212 40CFR 52.21, Subpart A: Compliance Certification
213 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
214 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
215 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
216 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
217 40CFR 63.7515(e), Subpart DDDDD: Compliance Certification
218 40CFR 63.7515(h), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K16
219 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
220 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
221 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
222 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K16,ES=321AJ
223 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K22
224 40CFR 60.46b(f), NSPS Subpart Db: Compliance Certification

EU=U-00015,Proc=K23
225 6 NYCRR 227-1.2 (a) (1): Compliance Certification
226 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
227 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
228 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K23
229 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
230 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
231 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
232 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
233 40CFR 63.7500(a)(2), Subpart DDDDD: Compliance Certification
234 40CFR 63.7500(a)(3), Subpart DDDDD: Good air pollution control practices
235 40CFR 63.7501(a), Subpart DDDDD: Affirmative defense
236 40CFR 63.7501(b), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K23
237 40CFR 63.7505(c), Subpart DDDDD: Demonstrating Compliance
238 40CFR 63.7505(d), Subpart DDDDD: Compliance Certification
239 40CFR 63.7515(e), Subpart DDDDD: Compliance Certification
240 40CFR 63.7515(h), Subpart DDDDD: Compliance Certification
241 40CFR 63.7520, Subpart DDDDD: Compliance Certification
242 40CFR 63.7521(a), Subpart DDDDD: Compliance Certification
243 40CFR 63.7525(a), Subpart DDDDD: Compliance Certification
244 40CFR 63.7530(a), Subpart DDDDD: Compliance Certification
245 40CFR 63.7530(b), Subpart DDDDD: Compliance Certification
246 40CFR 63.7530(c), Subpart DDDDD: Compliance Certification
247 40CFR 63.7530(h), Subpart DDDDD: Compliance Certification
248 40CFR 63.7535, Subpart DDDDD: Compliance Certification
249 40CFR 63.7540(a), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K23
250 40CFR 63.7545(d), Subpart DDDDD: Compliance Certification
251 40CFR 63.7545(e), Subpart DDDDD: Notification of compliance status
252 40CFR 63.7550(b), Subpart DDDDD: Compliance Certification
253 40CFR 63.7550(c), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K23
254 40CFR 63.7550(d), Subpart DDDDD: Compliance Certification
255 40CFR 63.7550(e), Subpart DDDDD: Compliance Certification
256 40CFR 63.7550(h), Subpart DDDDD: Compliance Certification
257 40CFR 63.7555(a), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K23
258 40CFR 63.7555(b), Subpart DDDDD: Compliance Certification
259 40CFR 63.7555(c), Subpart DDDDD: Compliance Certification
260 40CFR 63.7555(d), Subpart DDDDD: Compliance Certification
261 40CFR 63.7555(i), Subpart DDDDD: Compliance Certification
262 40CFR 63.7555(j), Subpart DDDDD: Compliance Certification
263 40CFR 63.7560, Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K23
264 40CFR 63.7565, Subpart DDDDD: General provisions
265 40CFR 63.7530(d), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K25
266 6 NYCRR 229.5 (d): Compliance Certification

EU=U-00015,Proc=K25,ES=321AK
267 6 NYCRR 229.3 (e) (2) (v): VOL storage tanks less than 10000 gallons
268 6 NYCRR 212.6 (a): Compliance Certification

EU=U-00051,EP=32102,Proc=K18,ES=32111
269 40CFR 52.21, Subpart A: Compliance Certification

EU=U-00051,EP=32106,Proc=K18,ES=321AD
270 6 NYCRR 212.4 (c): Compliance Certification

EU=U-00051,EP=32107,Proc=K18,ES=321AE
271 6 NYCRR 212.4 (c): Compliance Certification

EU=U-00051,EP=M9001,Proc=K18,ES=M90AA
272 6 NYCRR 212.4 (c): Compliance Certification

EU=U-CLEAN
273 6 NYCRR Part 226: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level
274 ECL 19-0301: Contaminant List
275 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
276 6 NYCRR 211.2: Visible Emissions Limited
277 6 NYCRR 212.4 (a): Emissions from new emission sources and/or modifications
Emission Unit Level

EU=U-00008
278 6 NYCRR 211.2: Compliance Demonstration

EU=U-00008,Proc=K06,ES=096AA
279 6 NYCRR 212.4 (a): Compliance Demonstration
280 6 NYCRR 212.4 (a): Compliance Demonstration

EU=U-00008,EP=09503

281 6 NYCRR 212.4 (b): Compliance Demonstration

EU=U-00008,EP=09503,Proc=K02
282 6 NYCRR 212.4 (a): Compliance Demonstration

EU=U-00008,EP=R1601,Proc=K06
283 6 NYCRR 212.4 (a): Compliance Demonstration

EU=U-00015

284 6 NYCRR 242-1.4 (b): Compliance Demonstration

285 6 NYCRR Part 249: Compliance Demonstration

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: 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: 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 C: **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 D: **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 E: **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 F: **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 G: **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 H: **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 I: 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 J: 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 K: 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. If additional applicable requirements under the Act become applicable where this permit's remaining term is

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 this 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 Part 201-6.7 and Part 621.

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 L: **Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York

(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

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 8 Headquarters
6274 East Avon-Lima Road
Avon, NY 14414-9519

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 1/30/2016.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 16: Right to Inspect
Effective between the dates of 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-NGINE
Emission Unit Description:
Facility Emission Unit for Stationary Combustion Sources (Engines)

Building(s): 091
095
311
602

Item 21.2:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00008
Emission Unit Description:
Kings Landing Wastewater Treatment Operations and Associated Fugitive Emissions

Building(s): 091
095
096
R16

Item 21.3:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00015
Emission Unit Description:
Building 31 and 321 Stationary Combustion Installations, including package and built up boilers used for the generation of process steam and electricity. Also includes powerhouse conversion project operating scenarios.

Building(s): 031
321

Item 21.4:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00051
Emission Unit Description:
Coal and ash handling systems, including fugitive emissions from KPS coal pile and roadway dust.

Building(s): 321
M90

Item 21.5:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-CLEAN
Emission Unit Description:
Solvent Metal Parts Cleaners and Associated Fugitive Emissions

Building(s): 001
027
031
087
321
332
402
511

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 09/11/2015 and 09/10/2020

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 09/11/2015 and 09/10/2020

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

I. Protocol Objective

The objective of this condition is to maximize operational flexibility for Recycled Energy Development (RED) operations 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 the Title V permit
modification provisions under 6 NYCRR Part 201-6.7.

II. Changes Reviewed under the Protocol

The following types of physical changes or changes in the method of operation which otherwise would require a permit modification, may be reviewed under this protocol except as otherwise limited under section III.A.:

1. New emission sources,
2. 6 NYCRR Part 200 "modifications",
3. Emission point relocations, and
4. Changes that otherwise could be handled under the minor permit modification process in 6 NYCRR Part 201-6.7.

III. Protocol

A. Changes shall be evaluated under this protocol in accordance with the following criteria:

a. All underlying federal and state requirements with which the new or changed emission source must comply must exist in the Title V permit. The new or changed source will be associated with an existing emissions unit, process, emission source or emission point that has the necessary regulatory citations. Existing permit conditions may be amended to reference or include the new or changed emission source and any related information, and/or, subject to DEC approval, new conditions proposed, to provide the appropriate monitoring parameters.

b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the NSR thresholds identified in 6 NYCRR Part 231-2 or 40 CFR 52.21. RED

will submit documentation of major NSR program non-applicability for NYSDEC review and approval consistent with the advance notification provisions of Section III.B. below.

c. The protocol shall not be used to make physical changes or changes in the method of operation of existing emission sources that would require a new federally enforceable cap either to avoid major New Source Review requirements or to address and comply with other Clean Air Act requirements such as RACT. Such changes must be addressed via the significant permit modification provisions.

B. Notification Requirements for Changes Reviewed under Protocol

1. RED shall notify the Department in writing at least 30 calendar days in advance of making changes reviewed under the protocol which meet the criteria of A.1. a-d, above.

2. Notifications made in accordance with this protocol will include the following documentation:

a. Identification of the Title V permit emission unit, process(es), emission sources, and emission points affected by the proposed change with applicable revisions shown in a revised Emission Unit Matrix;

b. Description of the proposed change;

c. If appropriate, the identification and description of emissions control technology and compliance terms;

d. Documentation of the project's or emission source's compliance with respect to all state and/or federally applicable requirements according to an established procedure which includes the following steps:

i. For new emission sources, identify all contaminants and calculate the emission rate potential and maximum projected actual annual emission rates after the proposed change. For changes to existing emission sources, emission rate potential and maximum projected actual annual emission rates shall be provided for all contaminants affected by the change.

ii. Indicate the environmental rating for each contaminant identified in III.B.1.d.i as previously

established by the Department or proposed based on the current DAR-1 Ambient Guideline Concentration Table or

toxicological review.

iii. Provide the rationale for determining that major NSR does not apply which may include: 1) an explanation that the change is not a source project or modification under 40 CFR 52.21, 2) calculations that demonstrate that the emissions increase from the project alone is not significant or, 3) calculations that demonstrate that the net emissions increase for the contemporaneous period is not significant.

iv. Model facility-wide emissions, including emissions from the proposed project, using the approved dispersion model known as the Kodak Air Resources Evaluation System (KARES) or another model approved in advance by the Department. Maximum projected actual annual emission rates consistent with current permitting will be used in the model.

v. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source, using the emissions information, environmental ratings, modeling results and knowledge of operations.

e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

C. Review and Approval of Changes

1. RED will be permitted to proceed with the change 30 days from the Department's receipt of the notification or upon prior Departmental approval, whichever is first, unless the Department determines that a more detailed review (in accordance with #3 below) or a permit modification (in accordance with #2 below) is required.

2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under III.A or that the change may have a significant air quality impact or be otherwise potentially significant under SEQRA (6NYCRR Part 617).

3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

4. The Department shall respond to the permittee in writing with a determination under #2 or 3 above within 15 days of receipt of the notification from the permittee.

D. Additional Compliance Obligations for Changes Made Under this Protocol

1. Upon commencement of the change, RED shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with III.A.1.a above.

2. RED shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol during the corresponding period and a statement of the compliance status of each.

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

Condition 24: Air pollution prohibited
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 211.1

Item 24.1:
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 25: Scenario 1 Emission Reduction Credits
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR Subpart 231-10

Item 25.1:
As part of the modification project to convert the Eastman Business Park powerhouse to natural gas, RED is establishing Emission Reduction Credits (ERCs) based on the permanent shutdown of Boiler #41 (ES 321AG) in December 2013, and the proposed shutdown of Boilers #42 (ES 321AH) in August 2017, Boiler #43 (ES 321AI) in January 2018, and Package Boilers #1-4 (ES 031AC, 031AD, 031AE, 031AF) in January 2018. The total ERCs resulting from these shut downs are as follows:
NOx: 568.7 tpy; PM2.5: 570.8 tpy; PM10: 719.4 tpy; PM: 870.9 tpy; CO: 108.8 tpy; VOC: 18.1 tpy.

Under Scenario 1 of the powerhouse conversion project, RED will use a portion of the ERCs established to offset the potential emission increases, thereby ensuring that the net emissions remain below New Source Review thresholds. The following ERCs will be used for this project:
NOx: 466.9 tpy; PM2.5: 52.8 tpy; PM10: 47.8 tpy; PM: 37.8 tpy; CO: 108.8 tpy; VOC: 2.9 tpy.

Condition 26: Scenario 2 Emission Reduction Credits
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR Subpart 231-10

Item 26.1:
Under Scenario 2 of the modification project to convert the Eastman Business Park powerhouse to natural gas, RED is establishing Emission Reduction Credits (ERCs) based on the permanent shutdown of Boiler #41 (ES 321AG) in December 2013; and the proposed shutdown of Boilers #42 (ES 321AH) in August 2017 and the Package Boilers #1-4 (ES 031AC, 031AD, 031AE, 031AF) in January 2018; and the proposed curtailment of Boiler #43 (ES 321AI) operation to 10% annual capacity (5.6E5 mmbtu/yr) in January 2018. The total ERCs resulting from these shut downs are as follows:
NOx: 512.7 tpy; PM2.5: 523.3 tpy; PM10: 662.0 tpy; PM: 803.7 tpy; CO: 103.4 tpy; VOC: 17.4 tpy.

Under Scenario 2 of the powerhouse conversion project, RED will use a portion of the ERCs established to offset the potential emission increases, thereby ensuring that the net emissions remain below New Source Review thresholds. The following ERCs will be used for this project:
NOx: 217.4 tpy; PM2.5: 30.2 tpy; PM10: 25.2 tpy; PM: 15.2 tpy; CO: 103.4 tpy.

Condition 27: National Emission Standard for Asbestos
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 61, NESHAP Subpart M

Item 27.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 61, Subpart M.

Condition 28: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 61.342(a), NESHAP Subpart FF

Item 28.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000071-43-2 BENZENE

Item 28.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
(A) An owner or operator of a facility at which the total annual benzene quantity from facility waste is less than 10 megagrams per year (Mg/yr) shall be exempt from the requirements of 40 CFR §§61.342(b) and (c) as well as the specific standards and monitoring requirements in §§61.343 through 61.354. The total annual benzene quantity from facility waste is the sum of the annual benzene quantity for each waste stream at the facility that has a flow-weighted annual average water content greater than 10 percent or that is mixed with water, or other wastes, at any time and the mixture has an annual average water content greater than 10 percent. The benzene quantity in a waste stream is to be counted only once without multiple counting if other waste streams are mixed with or generated from the original waste stream. Other specific requirements for calculating the total annual benzene waste quantity are as follows:
(1) Wastes that are exempted from control under §§61.342(c)(2) and 61.342(c)(3) are included in the calculation of the total annual benzene quantity if they have an annual average water content greater than 10 percent, or if they are mixed with water or other wastes at any time and the mixture has an annual average water content greater than 10 percent.
(2) The benzene in a material subject to 40 CFR 63 Subpart FF that is sold is included in the calculation of the total annual benzene quantity if the material has an annual average water content greater than 10 percent.
(3) Benzene in wastes generated by remediation activities conducted at the facility, such as the excavation of contaminated soil, pumping and treatment of

groundwater, and the recovery of product from soil or groundwater, are not included in the calculation of total annual benzene quantity for that facility. If the facility is managing remediation waste generated offsite, the benzene in this waste shall be included in the calculation of total annual benzene quantity in facility waste, if the waste streams have an annual average water content greater than 10 percent, or if they are mixed with water or other wastes at any time and the mixture has an annual average water content greater than 10 percent.

(4) The total annual benzene quantity is determined based upon the quantity of benzene in the waste before any waste treatment occurs to remove the benzene except as specified in §§61.355(c)(1)(i) (A) through (C).

(B) Per §61.342(g), compliance with 40 CFR 61 Subpart FF will be determined by review of facility records and results from tests and inspections using methods and procedures specified in 40 CFR §61.355 as follows:

(1) For each waste stream subject to Subpart FF having a flow-weighted annual average water content greater than 10 percent water, on a volume basis as total water, or is mixed with water or other wastes at
any time and the resulting mixture has an annual average water content greater than 10 percent as specified in §61.342(a), the owner or operator shall:

(i) Determine the annual waste quantity for each waste stream using the procedures specified in Section (B) of this condition.

(ii) Determine the flow-weighted annual average benzene concentration for each waste stream using the procedures specified in Section (D) of this condition.

(iii) Calculate the annual benzene quantity for each waste stream by multiplying the annual waste quantity of the waste stream times the flow-weighted annual average benzene concentration.

(2) Total annual benzene quantity from facility waste is calculated by adding together the annual benzene quantity for each waste stream generated during the year and the annual benzene quantity for each process unit turnaround waste annualized according to §61.355(b)(4).

(3) If the total annual benzene quantity from facility waste is less than 10 Mg/yr but is equal to or greater than 1 Mg/yr, then the owner or operator shall:

(i) Comply with the recordkeeping requirements of §61.356 and reporting requirements of §61.357 of this subpart; and

(ii) Repeat the determination of total annual benzene quantity from facility waste at least once per year and whenever there is a change in the process generating the waste that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr or more.

(4) If the total annual benzene quantity from facility waste is less than 1 Mg/yr, then the owner or operator shall:

(i) Comply with the recordkeeping requirements of §61.356 and reporting requirements of §61.357 of Subpart FF; and

(ii) Repeat the determination of total annual benzene quantity from facility waste whenever there is a change in the process generating the waste that could cause the total annual benzene quantity from facility waste to increase to 1 Mg/yr or more.

(C) For purposes of the calculation required by Section (B) of this condition, the owner or operator shall determine the annual waste quantity at the point of waste generation, unless otherwise provided in paragraphs (b)(1), (2), (3), and (4) of §61.355, by one of the methods given in paragraphs 1 through 3 as follows:

(1) Select the highest annual quantity of waste managed from historical records representing the most recent 5 years of operation or, if the facility has been in service for less than 5 years but at least 1 year, from historical records representing the total operating life of the facility;

(2) Use the maximum design capacity of the waste management unit; or

(3) Use measurements that are representative of maximum waste generation rates.

(D) For the purposes of the calculation required by Section (B) of this condition, the owner or operator shall determine the flow-weighted annual average benzene concentration in a manner that meets the requirements given in §61.355(c)(1) using either of the methods given in §§61.355(c)(2) and (c)(3). (I.e., knowledge of the waste or measurements of benzene concentrations.)

Parameter Monitored: MASS FLOW RATE
Upper Permit Limit: 10 Megagrams (10**6 grams)
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 29: Recordkeeping
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 61.356(a), NESHAP Subpart FF

Item 29.1:
The owner or operator shall comply with the recordkeeping requirements of §61.356. Each record shall be maintained in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified.

Condition 30: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 61.356(b)(1), NESHAP Subpart FF

Item 30.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000071-43-2 BENZENE

Item 30.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall maintain records that identify each waste stream at the facility subject to 40 CFR 61 Subpart FF, and indicate whether or not the waste stream is controlled for benzene emissions in accordance with this subpart. In addition the owner or operator shall maintain the following records. For each waste stream not controlled for benzene emissions in accordance with Subpart FF, the records shall include all test results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the waste stream is a process wastewater stream, annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 31: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 61.357(a), NESHAP Subpart FF

Item 31.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000071-43-2 BENZENE

Item 31.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner or operator of a chemical plant, petroleum refinery, coke by-product recovery plant, and any facility managing wastes from these industries shall submit to the Administrator within 90 days after January 7, 1993, or by the initial startup for a new source with an initial startup after the effective date, a report that summarizes the regulatory status of each waste stream subject to Sec. 61.342 and is determined by the procedures specified in Sec. 61.355(c) to contain benzene. Each owner or operator subject to this subpart who has no benzene onsite in wastes, products, by-products, or intermediates shall submit an initial report that is a statement to this effect. For all other owners or operators subject to this subpart, the report shall include the following information:

(1) Total annual benzene quantity from facility waste determined in accordance with Sec. 61.355(a) of this subpart.

(2) A table identifying each waste stream and whether or not the waste stream will be controlled for benzene emissions in accordance with the requirements of this subpart.

(3) For each waste stream identified as not being controlled for benzene emissions in accordance with the requirements of this subpart the following information shall be added to the table:

(i) Whether or not the water content of the waste stream is greater than 10 percent;

(ii) Whether or not the waste stream is a process wastewater stream, product tank drawdown, or landfill leachate;

(iii) Annual waste quantity for the waste stream;

(iv) Range of benzene concentrations for the waste stream;

(v) Annual average flow-weighted benzene concentration for the waste stream; and

(vi) Annual benzene quantity for the waste stream.

(4) The information required in paragraphs (a) (1), (2), and (3) of this section should represent the waste stream characteristics based on current configuration and operating conditions. An owner or operator only needs to list in the report those waste streams that contact materials containing benzene. The report does not

need to include a description of the controls to be installed to comply with the standard or other information required in Sec. 61.10(a).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 32: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 61.357(b), NESHAP Subpart FF

Item 32.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000071-43-2 BENZENE

Item 32.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
If the total annual benzene quantity from facility waste is less than 1 Mg/yr, then the owner or operator shall submit to the Administrator a report that updates the information listed in paragraphs (a)(1) through (a)(3) of this section whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 1 Mg/yr or more.

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

Condition 33: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.6(i)(4)(i)('A'), Subpart A

Item 33.1:
The Compliance Certification activity will be performed for the Facility.

Item 33.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an existing source who is unable to comply with a relevant standard established under this part pursuant to section 112(d) of the Act may request that the Administrator grant an extension allowing the source up to one additional year to comply with the standard, if such additional period is necessary for the installation of controls. The owner or operator of an affected source who has requested an extension of compliance under this paragraph and who is otherwise required to obtain a Title V Permit shall apply for such permit or apply to have the source's title V permit revised to incorporate the conditions of the extension of compliance. The conditions of an extension of compliance granted under this paragraph will be incorporated into the affected source's Title V permit according to the provisions of part 70 or Federal title V regulations in this chapter (42 U.S.C. 7661), whichever are applicable.

RED-Rochester has requested and received an extension of compliance from the requirements of 40 CFR 63 Subpart DDDDD from the USEPA, for their existing solid fuel boilers. The extension of compliance date letter from USEPA for RED-Rochester was dated April 1, 2015. RED's Boilers 42, 43 and 44 (ES 321AH, ES 321AI, ES 321AJ) must be in compliance with all applicable requirements of 40 CFR 63 Subpart DDDDD no later than January 31, 2017. In addition, RED-Rochester is required to submit periodic reports that describe their progress in implementing the project milestones that are specified in RED-Rochester's January 8, 2015 request to EPA for extension of compliance date. The progress reports must be submitted on a quarterly basis by the following dates:
- May 15, 2015
- August 15, 2015
- November 15, 2015
- February 15, 2016
- May 15, 2016
- August 15, 2016
- November 15, 2016
- February 15, 2017

All progress reports should be submitted to the USEPA and NYDEC at the following addresses:

Mr. Robert Buettner, Chief
Air Compliance Branch
U.S. Environmental Protection Agency - Region 2
290 Broadway - 21st Floor
New York, New York 10007

Mr. Thomas Marriott
Regional Air Pollution Control Engineer
NYSDEC - Region 8
6274 East Avon-Lima Road
Avon, NY 14414

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

Condition 34: Applicability
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 34.1:
Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.

Condition 35: General provisions
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.6665, Subpart ZZZZ

Item 35.1:
Table 8 of 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions 40 CFR 63.1 through 40 CFR 63.15 apply to this facility. Facility is responsible for ensuring they comply with all General Provisions contained in Table 8.

Condition 36: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40 CFR 64.7

Item 36.1:
The Compliance Certification activity will be performed for the Facility.

Item 36.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Commencement of operation. RED shall conduct the monitoring required under this part upon issuance of the Title V Permit.

(b) Proper maintenance. At all times, RED shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(c) Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), RED shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. RED shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(d) Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, operation of the pollutant-specific emissions unit (including the control device and associated capture system) shall be restored to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether acceptable procedures in response to an excursion or exceedance have been followed will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(e) Documentation of need for improved monitoring. If RED

identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40 CFR 64.8

Item 37.1:
The Compliance Certification activity will be performed for the Facility.

Item 37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Based on the results of a determination made under §64.7(d)(2), the Administrator or the permitting authority may require RED to develop and implement a Quality improvement plan (QIP) in accordance with the requirements of §64.8.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40 CFR 64.9

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:

RED shall submit monitoring reports to the permitting authority in accordance with 40 CFR 70.6(a)(3)(iii). A report for monitoring shall include, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the following information, as applicable:

(i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

(ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(iii) A description of the actions taken to implement a QIP during the reporting period as specified in §64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

RED shall comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to §64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).

Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

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

Condition 39: Emission Point Definition By Emission Unit
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 39.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00008

Emission Point: 09103
Height (ft.): 33 Diameter (in.): 16
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 091

Emission Point: 09104
Height (ft.): 33 Diameter (in.): 16
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 091

Emission Point: 09105
Height (ft.): 33 Diameter (in.): 16
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 091

Emission Point: 09106
Height (ft.): 33 Diameter (in.): 16
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 091

Emission Point: 09107
Height (ft.): 35 Diameter (in.): 2
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 091

Emission Point: 09503
Height (ft.): 126 Diameter (in.): 42
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 095

Emission Point: 09504
Height (ft.): 18 Length (in.): 24 Width (in.): 24
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 095

Emission Point: 09508
Height (ft.): 18 Diameter (in.): 6
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 095

Emission Point: 09511
Height (ft.): 34 Diameter (in.): 8
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 095

Emission Point: 09601
Height (ft.): 21 Diameter (in.): 6
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 096

Emission Point: R1601
Height (ft.): 63 Diameter (in.): 48
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: R16

Emission Point: R1603
Height (ft.): 3 Diameter (in.): 4
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: R16

Item 39.2:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00015

Emission Point: 00001
Height (ft.): 366 Diameter (in.): 132
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 031

Emission Point: 00003
Height (ft.): 408 Diameter (in.): 144
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 321

Emission Point: 00004
Height (ft.): 409 Diameter (in.): 180
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 321

Emission Point: 321A0
Height (ft.): 187 Diameter (in.): 2
NYTMN (km.): 4786.437 NYTME (km.): 284.912 Building: 321

Emission Point: HPDF1
Height (ft.): 160 Diameter (in.): 77
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 321

Emission Point: HPNG1
Height (ft.): 160 Diameter (in.): 76
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 321

Emission Point: HPNG2
Height (ft.): 160 Diameter (in.): 76
NYTMN (km.): 4786.253 NYTME (km.): 283.409 Building: 321

Emission Point: PGT01
Height (ft.): 160 Diameter (in.): 74

NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 321

Emission Point: PGT02
Height (ft.): 160 Diameter (in.): 74
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 321

Emission Point: PGT03
Height (ft.): 160 Diameter (in.): 74
NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 321

Item 39.3:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00051

Emission Point: 32102
Height (ft.): 65 Diameter (in.): 96
NYTMN (km.): 4786.437 NYTME (km.): 284.912 Building: 321

Emission Point: 32106
Height (ft.): 135 Diameter (in.): 24
NYTMN (km.): 4786.437 NYTME (km.): 284.912 Building: 321

Emission Point: 32107
Height (ft.): 33 Diameter (in.): 6
NYTMN (km.): 4786.437 NYTME (km.): 284.912 Building: 321

Emission Point: M9001
Height (ft.): 24 Diameter (in.): 10
NYTMN (km.): 4786.437 NYTME (km.): 284.912 Building: M90

Condition 40: Process Definition By Emission Unit
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 40.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-NGINE
Process: CIL Source Classification Code: 2-01-001-02
Process Description:
Emergency Stationary Reciprocating Internal Combustion Engines (RICE) - compression ignition (CI) engines less than 500 Brake HP which commenced construction or reconstruction before June 12, 2006

Emission Source/Control: CILBH - Combustion

Item 40.2:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-NGINE
Process: DSL Source Classification Code: 1-02-004-03
Process Description:
Diesel-fired engines with 6 NYCRR Part 227 applicability with would otherwise be Exempt or Trivial under Subpart 201-3.

Emission Source/Control: R227D - Combustion

Item 40.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-NGINE
Process: EHG Source Classification Code: 2-01-002-02
Process Description:
Emergency Stationary Reciprocating Internal Combustion Engines (RICE) with greater than 500 Brake HP which commenced construction or reconstruction before December 19, 2002

Emission Source/Control: EGBHP - Combustion

Item 40.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-NGINE
Process: NGS Source Classification Code: 1-02-006-03
Process Description:
Natural Gas-fired engines with 6 NYCRR Part 227 applicability which would otherwise be Exempt or Trivial under Subpart 201-3.

Emission Source/Control: R227N - Combustion

Item 40.5:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00008
Process: K02 Source Classification Code: 5-03-005-06
Process Description:
Wastewater treatment sludge incinerartion in a Multiple Hearth Incinerator (MHI), subject to 40 CFR 63 Subpart EEE

Emission Source/Control: 09505 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 09506 - Control
Control Type: SPRAY TOWER

Emission Source/Control: 09507 - Control
Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 09509 - Control
Control Type: WET SCRUBBER, VENTURI SCRUBBER

Emission Source/Control: 09510 - Control
Control Type: DYNAMIC SEPARATOR (WET)

Emission Source/Control: 09511 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 095AF - Process

Item 40.6:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00008
Process: K04 Source Classification Code: 3-16-130-02
Process Description: Storage tanks subject to 6 NYCRR Part 229

Emission Source/Control: 091AE - Process
Design Capacity: 5,000 gallons

Emission Source/Control: 095AK - Process
Design Capacity: 15,000 gallons

Item 40.7:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00008
Process: K06 Source Classification Code: 3-01-820-02
Process Description:
General process sources associated with wastewater treatment operations

Emission Source/Control: 09504 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 09508 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 09601 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: R1601 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 091AA - Process

Emission Source/Control: 095AG - Process

Emission Source/Control: 095AJ - Process

Emission Source/Control: 095AL - Process

Emission Source/Control: 095AM - Process

Emission Source/Control: 096AA - Process

Emission Source/Control: R16AA - Process

Emission Source/Control: R16AC - Process

Item 40.8:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K07 Source Classification Code: 1-02-004-01
Process Description: No.6 fuel oil combustion in package boilers

Emission Source/Control: 031AC - Combustion
Design Capacity: 98 million Btu per hour

Emission Source/Control: 031AD - Combustion
Design Capacity: 98 million Btu per hour

Emission Source/Control: 031AE - Combustion
Design Capacity: 98 million Btu per hour

Emission Source/Control: 031AF - Combustion
Design Capacity: 98 million Btu per hour

Item 40.9:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K12 Source Classification Code: 1-02-004-01
Process Description:
No 6 fuel oil combustion in built-up Boilers 42 and 43

Emission Source/Control: 321AH - Combustion
Design Capacity: 500 million Btu per hour

Emission Source/Control: 321AI - Combustion
Design Capacity: 640 million BTUs per hour

Emission Source/Control: 32101 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 32104 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 40.10:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K13 Source Classification Code: 1-02-002-03
Process Description:
Bituminous coal combustion for built-up Boilers 42 and 43

Emission Source/Control: 321AH - Combustion
Design Capacity: 500 million Btu per hour

Emission Source/Control: 321AI - Combustion
Design Capacity: 640 million BTUs per hour

Emission Source/Control: 32101 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 32104 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 40.11:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K14 Source Classification Code: 1-02-005-01
Process Description:
No 2 fuel oil combustion for Boiler #44 Post-5D MACT Deadline

Emission Source/Control: 321AJ - Combustion
Design Capacity: 670 million BTUs per hour

Emission Source/Control: 32103 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 40.12:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K15 Source Classification Code: 1-02-002-02
Process Description:
Bituminous low sulfur coal combustion for Boiler #44 Pre-5D MACT Deadline

Emission Source/Control: 321AJ - Combustion
Design Capacity: 670 million BTUs per hour

Emission Source/Control: 32103 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 40.13:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K16 Source Classification Code: 1-02-002-02

Process Description:
Coal combustion in Boiler #44 Post-5D MACT Deadline

Emission Source/Control: 321AJ - Combustion
Design Capacity: 670 million BTUs per hour

Emission Source/Control: 32103 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 32105 - Control
Control Type: DRY LIME INJECTION

Item 40.14:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K20 Source Classification Code: 1-02-006-01
Process Description:
Natural gas combustion in boiler #44 Post-5D MACT Deadline.

Emission Source/Control: 321AJ - Combustion
Design Capacity: 670 million BTUs per hour

Item 40.15:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K21 Source Classification Code: 1-02-006-01
Process Description: Natural gas combustion in turbines.

Emission Source/Control: 321BA - Combustion
Design Capacity: 160 million Btu per hour

Emission Source/Control: 321BB - Combustion
Design Capacity: 160 million Btu per hour

Emission Source/Control: 321BC - Combustion
Design Capacity: 160 million Btu per hour

Emission Source/Control: 32120 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 32121 - Control
Control Type: OXIDATION CATALYST

Emission Source/Control: 32122 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 32123 - Control
Control Type: OXIDATION CATALYST

Emission Source/Control: 32124 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 32125 - Control
Control Type: OXIDATION CATALYST

Item 40.16:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K22 Source Classification Code: 1-02-006-01
Process Description:
Natural gas combustion in heat recovery steam generating unit (HRSG).

Emission Source/Control: 321BE - Combustion
Design Capacity: 245 million Btu per hour

Emission Source/Control: 321BF - Combustion
Design Capacity: 245 million Btu per hour

Emission Source/Control: 321BG - Combustion
Design Capacity: 245 million Btu per hour

Emission Source/Control: 32120 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 32121 - Control
Control Type: OXIDATION CATALYST

Emission Source/Control: 32122 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 32123 - Control
Control Type: OXIDATION CATALYST

Emission Source/Control: 32124 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 32125 - Control
Control Type: OXIDATION CATALYST

Item 40.17:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K23 Source Classification Code: 1-02-005-02
Process Description:
No. 2 fuel oil combustion in high and medium pressure dual fueled boilers > 250 MMBtu/hr, Post-5D MACT Deadline.

Emission Source/Control: 321BJ - Combustion
Design Capacity: 343 million Btu per hour

Emission Source/Control: 321BK - Combustion
Design Capacity: 275 million Btu per hour

Emission Source/Control: 32128 - Control
Control Type: OXIDATION CATALYST

Emission Source/Control: 32129 - Control
Control Type: OXIDATION CATALYST

Item 40.18:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K24 Source Classification Code: 1-02-006-02
Process Description:
Natural gas combustion in high pressure gas-only and high and medium pressure dual fueled boilers > 250 MMBtu/hr, Post 5D- MACT Deadline.

Emission Source/Control: 321BJ - Combustion
Design Capacity: 343 million Btu per hour

Emission Source/Control: 321BK - Combustion
Design Capacity: 275 million Btu per hour

Emission Source/Control: 321BL - Combustion
Design Capacity: 343 million BTUs per hour

Emission Source/Control: 321BM - Combustion
Design Capacity: 343 million Btu per hour

Emission Source/Control: 32128 - Control
Control Type: OXIDATION CATALYST

Emission Source/Control: 32129 - Control
Control Type: OXIDATION CATALYST

Item 40.19:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K25 Source Classification Code: 3-16-130-02
Process Description: Boiler Feedwater Additive Storage

Emission Source/Control: 321AK - Process
Design Capacity: 2,112 gallons

Item 40.20:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K26 Source Classification Code: 1-02-005-02
Process Description:
No. 2 fuel oil combustion in high and medium pressure dual fueled boilers < 250 MMBtu/hr, Post-5D MACT Deadline. NOTE: No requirements for this alternative equipment are included in the permit at this time.

Emission Source/Control: 321BJ - Combustion
Design Capacity: 343 million Btu per hour

Emission Source/Control: 321BK - Combustion
Design Capacity: 275 million Btu per hour

Emission Source/Control: 32128 - Control
Control Type: OXIDATION CATALYST

Emission Source/Control: 32129 - Control
Control Type: OXIDATION CATALYST

Item 40.21:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K27 Source Classification Code: 1-02-006-02
Process Description:
Natural gas combustion in high pressure gas-only and high and medium pressure dual fueled boilers < 250 MMBtu/hr, Post-5D MACT Deadline. NOTE: No requirements for this alternative equipment are included in the permit at this time.

Emission Source/Control: 321BJ - Combustion
Design Capacity: 343 million Btu per hour

Emission Source/Control: 321BK - Combustion
Design Capacity: 275 million Btu per hour

Emission Source/Control: 321BL - Combustion
Design Capacity: 343 million BTUs per hour

Emission Source/Control: 321BM - Combustion
Design Capacity: 343 million Btu per hour

Emission Source/Control: 32128 - Control
Control Type: OXIDATION CATALYST

Emission Source/Control: 32129 - Control
Control Type: OXIDATION CATALYST

Item 40.22:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00051
Process: K18 Source Classification Code: 3-05-101-99
Process Description: Coal ash storage and transfer operations

Emission Source/Control: 32106 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 32111 - Control
Control Type: FABRIC FILTER

Emission Source/Control: M9001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 321AA - Process

Emission Source/Control: 321AD - Process

Emission Source/Control: 321AE - Process

Emission Source/Control: M90AA - Process

Item 40.23:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-CLEAN
Process: 226 Source Classification Code: 4-01-003-36
Process Description:
Solvent metal cleaning machines with 6 NYCRR Part 226 applicability which would otherwise be exempt or trivial under Subpart 201-3.

Emission Source/Control: F0226 - Process

Condition 41: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-1.3 (a)

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

Emission Unit: E-NGINE

Item 41.2:
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
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (d)

Item 42.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: E-NGINE
Process: DSL

Emission Unit: E-NGINE
Process: NGS

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

Item 42.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 43: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 43.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00008 Emission Point: 09503

Emission Unit: U-00008 Emission Point: 09504

Emission Unit: U-00008 Emission Point: 09508

Item 43.2:
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

Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

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

Condition 44: Applicability of 40CFR63 Subpart A - general provisions
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.680(f), Subpart DD

Item 44.1:
This Condition applies to Emission Unit: U-00008

Item 44.2:
Owners or operators of affected sources subject to 40CFR63 Subpart DD must also comply with the requirements of Subpart A of Part 63, according to the applicability of Subpart A to such sources, as identified in Table 2 of Subpart DD. Subpart A is the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that

may apply to the source.

Condition 45: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.680(f), Subpart DD

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

Emission Unit: U-00008

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

Item 45.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a source applicable to the NESHAP for Offsite Waste and Recovery Operations which uses a control device to comply with the emission standard shall develop and implement a written startup, shutdown and malfunction (SSM) plan that describes in detail procedures for operating and maintaining the source during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. Consult 40 CFR 63.6(e)(3) (i through viii) for specific requirements regarding SSM plans.

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

Condition 46: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.683(b)(2)(ii), Subpart DD

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

Emission Unit: U-00008

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

Item 46.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

At the discretion of the owner or operator, one or a combination of off-site material management units may be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683 when these units meet the condition that the total annual quantity of HAP contained in the off-site material placed in the units is less than 1 megagram per year. For the off-site material management units selected by the owner or operator to be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683, the owner or operator must meet the requirements in paragraphs (b)(2)(ii)(A) and (b)(2)(ii)(B) of 40 CFR 63.683. An owner or operator may change the off-site material management units selected to be exempted by preparing a new designation for the exempt-units as required by paragraph (b)(2)(ii)(A) of 40 CFR 63.683 and performing a new determination as required by paragraph (b)(2)(ii)(B) of 40 CFR 63.683.

RED has designated each of the off-site material management units selected to be exempt under paragraph (b)(2)(ii) of 40 CFR 63.683 by permanently marking the exempt-units at the plant site. Each exempt-unit must be marked in such a manner that it can be readily identified as an exempt-unit from the other off-site material management units located at the plant site.

RED has prepared an initial determination of the total annual HAP quantity in the off- site material placed in the exempt units. This determination is based on the total quantity of the HAP listed in Table 1 of 40 CFR 63.683 as determined at the point where the off-site material is placed in each exempted unit. RED must perform a new determination whenever the extent of changes to the quantity or composition of the off-site material placed in the exempted units could cause the total annual HAP content in the off-site material to exceed 1 megagram per year. RED must maintain documentation to support the most recent determination of the total annual HAP quantity. This documentation must include the basis and data used for determining the HAP content of the off-site material.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: WASTE MATERIAL
Upper Permit Limit: 1 Megagrams (10**6 grams) per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: ANNUAL TOTAL
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 47: Applicability of General Provisions of 40 CFR 61, Subpart A
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 61, NESHAP Subpart A

Item 47.1:
This Condition applies to Emission Unit: U-00008
Process: K02

Item 47.2:
This emission source is subject to the applicable General Provisions of 40 CFR 61. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

Condition 48: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1200(c), Subpart EEE

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

Emission Unit: U-00008
Process: K02

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

Item 48.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Owners or operators of affected sources subject to 40 CFR 63 Subpart EEE must also comply with the requirements of Subpart A of Part 63, according to the applicability of Subpart A to such sources, as identified in Table 1 of Subpart EEE. Subpart A is the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

The owner or operator of an applicable source using a control device to comply with the emission standard shall develop and implement a written startup, shutdown and malfunction (SSM) plan that describes in detail procedures for operating and maintaining the source during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. Consult 40 CFR 63.6(e)(3) (i through viii) for specific requirements regarding SSM plans.

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

Condition 49: §63.1206(c)(3)(ii) - Ducting of combustion gases
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE

Item 49.1:
This Condition applies to Emission Unit: U-00008
Process: K02

Item 49.2:
During an automatic waste feed cutoff (AWFCO), the facility must continue to duct combustion gases to the air pollution control system while hazardous waste remains in the combustion chamber (i.e., if the hazardous waste residence time has not transpired since the hazardous waste feed cutoff system was activated).

Condition 50: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(a)(6), Subpart EEE

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

Emission Unit: U-00008
Process: K02

Item 50.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
When using Continuous Emission Monitoring Systems (CEMS) for carbon monoxide, the following requirements apply with

regard to calculation of rolling averages:

-Upon intermittent operations, the facility must ignore periods of time when one-minute values are not available for calculating the hourly rolling average. When one-minute values become available again, the first one-minute value is added to the previous 59 values to calculate the hourly rolling average.

- When the hazardous waste feed is cutoff, the facility must continue monitoring carbon monoxide when the hazardous waste feed is cutoff if the source is operating. The facility must not resume feeding hazardous waste if the emission levels exceed the standard. The facility is not subject to the CEMS requirements of Subpart EEE during
periods of time when the source is not burning hazardous waste.

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

Condition 51: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(b)(5), Subpart EEE

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

Emission Unit: U-00008
Process: K02

Item 51.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
When using Continuous Monitoring Systems (CMS) to document compliance with the applicable operating parameter limits under 40 CFR 63.1209, the following requirements apply with regard to calculation of rolling averages:

-Upon intermittent operations, the facility must ignore periods of time when one-minute values are not available for calculating rolling averages. When one-minute values become available again, the first one-minute value is

added to the previous one-minute values to calculate rolling averages.

- When the hazardous waste feed is cutoff, the facility must continue monitoring operating parameter limits with a CMS when the hazardous waste feed is cutoff if the source is operating. The facility must not resume feeding hazardous waste if an operating parameter exceeds its limit. The facility is not subject to the CMS requirements of
Subpart EEE during periods of time when the facility meets the requirements of §63.1206(b)(1)(ii) (compliance with emissions standards for nonhazardous waste burning sources when the facility is not burning hazardous waste).

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

Condition 52: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1211(a), Subpart EEE

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

Emission Unit: U-00008
Process: K02

Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each owner or operator of an affected source subject to 40 CFR 63 Subpart EEE shall submit startup, shutdown, and malfunction reports as specified in 40 CFR 63.10(d)(5)(i).

The start-up, shutdown, and malfunction report shall be submitted semiannually. The report shall be delivered or postmarked by the 30th day following the end of each calendar half. Reports shall only be required if a startup or shutdown caused the source to exceed any applicable emission limitation in Subpart EEE, or if a malfunction

occurred during the reporting period.

If actions taken by an owner or operator during a startup or shutdown (and the startup or shutdown caused the source to exceed any applicable emission limitation in Subpart EEE), or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan, the owner or operator shall state such information in the periodic startup, shutdown and malfunction report.

Actions taken to minimize emissions during such startups, shutdowns, and malfunctions shall be summarized in the report and may be done in checklist form; if actions taken are for the same event, only one checklist is necessary. Such a report shall also include the number, duration, and a brief description for each type of malfunction which

occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The start-up, shutdown, or malfunction report shall consist of a letter containing the name, title, and signature of the responsible official who is certifying its accuracy, that shall be submitted to the Department.

The start-up, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance report.

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

Condition 53: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1211(a), Subpart EEE

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

Emission Unit: U-00008
Process: K02

Item 53.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Any time an action taken by the owner or operator during a startup or shutdown that caused the source to exceed any applicable emission limitation in Subpart EEE, or malfunction (including actions to correct a malfunction) is not consistent with the procedures specified in the source's startup, shutdown, and malfunction plan, the owner or operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 days after the end of the event. Reports shall be made in accordance with 40 CFR 63.10(d)(6)(ii).

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

Condition 54: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 229.5 (d)

Item 54.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008
Process: K04

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

Condition 55: VOL storage tanks less than 10000 gallons
Effective between the dates of 09/11/2015 and 09/10/2020

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

Item 55.1:
This Condition applies to Emission Unit: U-00008
Process: K04 Emission Source: 091AE

Item 55.2:
Volatile organic liquid tanks with a capacity of less than 10,000 gallons must be equipped with a conservation vent.

Condition 56: VOL storage tanks from 10000 - 20000 gallons
Effective between the dates of 09/11/2015 and 09/10/2020

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

Item 56.1:
This Condition applies to Emission Unit: U-00008
Process: K04 Emission Source: 095AK

Item 56.2:
Volatile organic liquid tanks with a capacity greater than or equal to 10,000 gallons but less than 20,000 gallons must be equipped with submerged fill.

Condition 57: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 212.10 (c) (3)

Item 57.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 57.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To maintain compliance with 6 NYCRR Part 212.10 NOx RACT requirements, annual emissions of NOx from EP 09503 shall not exceed 31.2 tpy on a rolling 12-month basis, as determined in the most recent RACT evaluation dated August 2012.

On a daily basis, RED shall record the total number of hours when the MHI is in (1) incineration mode (when sludge/grit is present in the MHI), (2) bank mode (when no sludge/grit is present in the MHI, and natural gas is

being burned), and (3) cold shutdown mode.

NOx emissions shall be calculated monthly and incorporated into a 12-month rolling total. For each month, the hours of operation in incineration or bank mode will be multiplied by the NOx emission rate for that mode. The NOx emission rates used for these calculations shall be as follows:

(1) incineration mode: 8.3 lb NOx / hr
(2) bank mode: 0.87 lbs NOx / hr

RED shall notify the Department of any revisions to these emissions rates due to operational changes or more recent stack test data within 30 days of such a change. Records shall be kept on site for five years and made available to the Department upon request.

This RACT determination shall be re-evaluated every five years or prior to any changes that could significantly impact the existing approved or pending RACT evaluation. The next re-evaluation shall be submitted no later than August 31, 2017.

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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 58: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c), Subpart EEE

Item 58.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 58.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
In order to comply with the requirements of 63.1206(c)(2)(v)(A)(3) and 63.1206(c)(3)(vi), RED must follow excessive exceedance reporting procedures as follows. For each set of 10 exceedances of an emission

standard or operating requirement while hazardous waste remains in the combustion chamber (i.e., when the hazardous waste residence time has not transpired since the hazardous waste feed was cutoff) during a 60-day block period, RED must:

(i) Within 45 days of the 10th exceedance, complete an investigation of the cause of each exceedance and evaluation of approaches to minimize the frequency, duration, and severity of each exceedance, and revise the startup, shutdown, and malfunction plan as warranted by the evaluation to minimize the frequency, duration and severity of each exceedance;

(ii) Record the results of the investigation and evaluation in the operating record, and include a summary of the investigation and evaluation, and any changes to the startup, shutdown, and malfunction plan, in the excess emission report required under 63.10(e)(3); and

(iii) Submit to the Administrator a written report within 5 calendar days of the 10th exceedance documenting the exceedances and results of the investigation and corrective measures taken.

On a case-by-case basis, the Administrator may require excessive exceedance reporting when fewer than 10 exceedances occur during a 60-day block period.

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

Condition 59: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(2), Subpart EEE

Item 59.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 59.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

RED shall comply with the following requirements of 40 CFR 63.1206(c)(2)(i) – (iv) for startup, shutdown, and malfunction plans:

(i) The owner or operator shall comply with the startup, shutdown, and malfunction plan requirements of 40 CFR 63.6(e)(3). The owner or operator of an applicable source shall develop and implement a written startup, shutdown and malfunction (SSM) plan that describes in detail procedures for operating and maintaining the source during periods of
SSM and a program of corrective action for malfunctioning process, and air pollution control equipment used to comply with the relevant standard. Consult 40 CFR 63.6(e)(3) (i through viii) for specific requirements regarding SSM plans.

(ii) Should RED elect to comply with §§270.235(a)(1)(iii), 270.235(a)(2)(iii), or 270.235(b)(1)(ii) to address RCRA concerns to minimize emissions of toxic compounds from startup, shutdown, and malfunction events (including releases from emergency safety vents), the following requirements shall apply:

(A) The startup, shutdown, and malfunction plan must include a description of potential causes of malfunctions, including releases from emergency safety vents, that may result in significant releases of hazardous air pollutants, and actions the source is taking to minimize the frequency and severity of those malfunctions.
(B) The owner or operator must submit the startup, shutdown, and malfunction plan to the Administrator for review and approval.
(C) The owner or operator must request approval in writing from the Administrator within 5 days after making a change to the startup, shutdown, and malfunction plan that may significantly increase emissions of hazardous air pollutants.

(iii) The owner or operator must identify in the plan a projected oxygen correction factor based on normal operations to use during periods of startup and shutdown.

(iv) The owner or operator must record the plan in the operating record.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Condition 60: §63.1206(c)(3)(v) - Corrective measures
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE

Item 60.1:
This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 60.2:
If, after any automatic waste feed cutoff (AWFCO), there is an exceedance of an emission standard or operating requirement, irrespective of whether the exceedance occurred while hazardous waste remained in the combustion chamber (i.e., whether the hazardous waste residence time has transpired since the hazardous waste feed cutoff system was activated), the facility must investigate the cause of the AWFCO, take appropriate corrective measures to minimize future AWFCOs, and record the findings and corrective measures in the operating record.

Condition 61: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE

Item 61.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 61.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The automatic waste feed cutoff system (AWFCO) and associated alarms must be tested at least weekly to verify operability, unless the facility documents in the operating record that weekly inspections will unduly restrict or upset operations and that less frequent inspection will be adequate. At a minimum, the facility must conduct operability testing at least monthly. The facility must document and record in the operating record AWFCO operability test procedures and results.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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

Condition 62: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE

Item 62.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 62.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
RED shall operate the Multiple Hearth Incinerator (MHI) with a functioning system that immediately and automatically cuts off the hazardous waste feed:
(A) when any of the following are exceeded: operating parameter limits specified under 63.1209; an emission standard monitored by a CEMS; and the allowable combustion chamber pressure;
(B) when the span value of any CMS detector, except a CEMS, is met or exceeded;
(C) Upon malfunction of a CMS monitoring an operating parameter limit specified under 63.1209 or an emission level; or
(D) when any component of the automatic waste feed cutoff system fails.

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

Condition 63: Corrective measures after an emergency safety vent opening
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(4), Subpart EEE

Item 63.1:

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 63.2:
After any emergency safety vent (ESV) opening that results in a failure to meet the emission standards of this Subpart EEE, the facility must investigate the cause of the ESV opening, take appropriate corrective measures to minimize such future ESV openings, and record the findings and corrective measures in the operating record.

Condition 64: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(4), Subpart EEE

Item 64.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 64.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
If an emergency safety vent (ESV) opens when hazardous waste remains in the combustion chamber (i.e., when the hazardous waste residence time has not expired) during an event other than a malfunction as defined in the startup, shutdown, and malfunction plan such that combustion gases are not treated as during the most recent comprehensive performance test (e.g., if the combustion gas bypasses any emission control device that was operating during the performance test), the facility must document in the operating record whether the facility remained in compliance with the emission standards of Subpart EEE considering emissions during the ESV opening 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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 65: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(4), Subpart EEE

Item 65.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 65.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility must develop an emergency safety vent (ESV) operating plan, and comply with the operating plan. The ESV operating plan must be kept with the operating record and must provide detailed procedures for rapidly stopping the waste feed, shutting down the combustor, and maintaining temperature and negative pressure in the combustion chamber during the hazardous waste residence time, if feasible. The plan must include calculations and information and data documenting the effectiveness of the plan's procedures for ensuring that combustion chamber temperature and negative pressure are maintained as is reasonably feasible.

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

Condition 66: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(4), Subpart EEE

Item 66.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 66.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility must submit to the Administrator a written

report within five days of an emergency safety vent (ESV) opening that results in the facility failing to meet the emission standards of this Subpart EEE. The report shall document the result of the investigation and corrective measures taken.

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

Condition 67: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(5), Subpart EEE

Item 67.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 67.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

In order to comply with the requirements of 63.1206(c)(5)(i) and 63.1209(p), the Multiple Hearth Incinerator (MHI) draft pressure shall be monitored on a continuous basis when wastewater sludge or grit are being incinerated. Waste feed to the MHI (ES 095AF) shall be automatically shut down if (1) the Draft Pressure exceeds -0.08 inches of water continuously for 5 seconds, or (2) the Draft Pressure exceeds 0 inches of water on an instantaneous basis.

These parameter limits do not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This

parameter limit is effective until a new Notification of Compliance (NOC) is submitted, whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, instantaneous readings taken every

6 seconds) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE
Upper Permit Limit: -0.08 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - TIME DELAY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 68: §63.1206(c)(6)(ii) - Certified operator on site
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE

Item 68.1:
This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 68.2:
The facility must ensure that the source is operated and maintained at all times by persons who are trained and certified to perform these and any other duties that may affect emissions of hazardous air pollutants. A certified control room operator must be on duty at all times the source is in operation.

Condition 69: §63.1206(c)(6)(vii) - Record of training and certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE

Item 69.1:
This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 69.2:
The facility must record the operator training and certification program in the operating record.

Condition 70: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE

Item 70.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 70.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

In order to maintain compliance with Operator Training and Certification requirements of 63.1206(c)(6)(i) - (iii) and (v), RED shall establish training programs for all categories of personnel whose activities may reasonably be expected to directly affect emissions of hazardous air pollutants from the source. Such persons include, but are not limited to, chief facility operators, control room operators, continuous monitoring system operators, persons that sample and analyze feed streams, persons that manage and charge feed streams to the combustor, persons that operate emission control devices, and ash and waste handlers.

Each training program shall be of a technical level commensurate with the person's job duties specified in the training manual.

Each commensurate training program shall require an examination to be administered by the instructor at the end of the training course. Passing of this test shall be deemed the "certification" for personnel, except that, for control room operators, the training and certification program shall meet the requirements below:

Hazardous waste control room operators must be trained and certified under a site-specific, source developed and implemented program which includes the following elements:
(A) Training on the following subjects:
(1) Environmental concerns, including types of emissions;
(2) Basic combustion principles, including products of combustion;
(3) Operation of the specific type of combustor used by the operator, including proper startup, waste firing, and shutdown procedures;
(4) Combustion controls and continuous monitoring systems;
(5) Operation of air pollution control equipment and factors affecting performance;
(6) Inspection and maintenance of the combustor, continuous monitoring systems, and air pollution control devices;
(7) Actions to correct malfunctions or conditions that may lead to malfunction;
(8) Residue characteristics and handling procedures; and

(9) Applicable Federal, state, and local regulations, including OSHA workplace standards; and
(B) An examination designed and administered by the instructor; and
(C) Written material covering the training course topics that may serve as reference material following completion of the course.

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

Condition 71: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE

Item 71.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 71.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To maintain control room operator qualification under a site-specific, source developed and implemented training program as provided by §63.1206(c)(6)(v), control room operators must complete an annual review or refresher course covering, at a minimum, the following topics:
(A) Update of regulations;
(B) Combustor operation, including startup and shutdown procedures, waste firing, and residue handling;
(C) Inspection and maintenance;
(D) Responses to malfunctions or conditions that may lead to malfunction; and
(E) Operating problems encountered by the operator.

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

Condition 72: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1206(c)(7), Subpart EEE

Item 72.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 72.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility must prepare and at all times operate according to an operation and maintenance plan that describes in detail procedures for operation, inspection, maintenance, and corrective measures for all components of the combustor, including associated pollution control equipment, that could affect emissions of regulated hazardous air pollutants.

The plan must prescribe how the facility will operate and maintain the combustor in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels achieved during the comprehensive performance test.

This plan ensures compliance with the operation and maintenance requirements of §63.6(e) and minimizes emissions of pollutants, automatic waste feed cutoffs, and malfunctions.

The facility must record the operation and maintenance plan in the operating record.

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

Condition 73: Comprehensive Performance Test (CPT)
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1207, Subpart EEE

Item 73.1:
This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 73.2:
The permittee must conduct Comprehensive Performance Tests to demonstrate compliance with the emission standards provided by Subpart EEE, establish limits for the operating parameters provided by 40 CFR 63.1209, and demonstrate compliance with the performance specifications for continuous monitoring systems (CMS).

The Comprehensive Performance Test (CPT) must commence testing no later than 61 (sixty-one) months after the date of commencing the previous CPT, unless the Administrator grants a time extension under 40 CFR 63.1207(i) or a waiver pursuant to 40 CFR 63.1207(e)(3).

The CPT must be completed within the 60 (Sixty) days after the date of commencement, unless the Administrator determines that a time extension is warranted based on documentation of factors beyond the facility's control that prevent the facility from meeting the 60-day deadline.

The permittee must submit to the NYSDEC a notification of intention to conduct a CPT and CMS performance evaluation, and a site specific test plan and CMS performance evaluation plan at least one year before the performance test and performance evaluation are scheduled to begin.

The provisions of 40 CFR 63.7(c)(2)(i)-(iii) and (v) regarding the content of the test plan apply. In addition, the CPT plan must include content specified at 40 CFR 63.1207(f)(1).

The permittee must submit to the NYSDEC a notification of intention to conduct the CPT at least 60 (Sixty) calendar days before the test is scheduled to begin.

The permittee must make the site-specific test plan and CMS performance evaluation test plan available to the public for review no later than 60 calendar days before initiation of the test. The permittee must issue a public notice and allow for the plans to be reviewed as described in 40 CFR 63.1207(e)(2).

Condition 74: Confirmatory Performance Test (CT)
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1207, Subpart EEE

Item 74.1:
This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 74.2:
The permittee must conduct Confirmatory Performance Tests to (i) demonstrate compliance with the dioxin/furan emission standard in Subpart EEE when the source operates under normal operating conditions; and (ii) conduct a performance evaluation of continuous monitoring systems required for compliance assurance with the dioxin/furan emission standard under 40 CFR 63.1209(k).

The Confirmatory Performance Test (CT) must commence no earlier than 18 months and no later than 31 (thirty-one) months after the date of commencing the previous CPT, unless the Administrator grants a time extension under 40 CFR 63.1207(i) or a waiver pursuant to 40 CFR 63.1207(e)(3).

The CT must be completed within the 60 (sixty) days after the date of commencement, unless the Administrator determines that a time extension is warranted based on documentation of factors beyond the facility's control that prevent the facility from meeting the 60-day deadline.

The permittee must submit to the NYSDEC a notification of intention to conduct a CT and CMS performance evaluation, and a site specific test plan and CMS performance evaluation plan at least 60 calendar days before the performance test are scheduled to begin.

The provisions of 40 CFR 63.7(c)(2)(i)-(iii) and (v) regarding the content of the test plan apply. In addition, the CT plan must include content specified at 40 CFR 63.1207(f)(2).

The permittee must make the site-specific test plan and CMS performance evaluation test plan available to the public for review no later than 60 calendar days before initiation of the test. The permittee must issue a public notice and allow for the plans to be reviewed as described in 40 CFR 63.1207(e)(2).

Condition 75: Notification of compliance for comprehensive performance test

Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1207(j)(1), Subpart EEE

Item 75.1:
This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 75.2:
Except as provided in §63.1207(j)(4) and (5), within 90 days of completion of a comprehensive performance test, the facility must postmark a Notification of Compliance documenting compliance with the emission standards and continuous monitoring system requirements, and identifying operating parameter limits under §63.1209. Upon postmark of the Notification of Compliance, the facility must comply with all operating requirements specified in the Notification of Compliance in lieu of the limits specified in the Documentation of Compliance required under §63.1211(c).

Condition 76: Notification of compliance for confirmatory performance testing

Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1207(j)(2), Subpart EEE

Item 76.1:
This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 76.2:
Except as provided in 40 CFR 63.1207(j)(4), within 90 days of completion of a confirmatory

performance test, the facility must postmark a Notification of Compliance documenting compliance or noncompliance with the applicable dioxin/furan emission standard.

Condition 77: Failure of performance test - comprehensive test
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1207(l), Subpart EEE

Item 77.1:
This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 77.2:
The provisions of this condition do not apply to the initial comprehensive performance test if the facility conducts it before September 30, 2003 or a later compliance date approved under §63.6(i).

If the facility determines (based on CEM recordings, results of analyses of stack samples, or results of CMS performance evaluations) that the facility has exceeded any emission standard during a comprehensive performance test for a mode of operation, the facility must cease hazardous waste burning immediately under that mode of operation. The facility must make this determination within 90 days following completion of the performance test.

If the facility has failed to demonstrate compliance with the emissions standards for any mode of operation:
1) Prior to submitting a revised Notification of Compliance, the facility may burn hazardous waste only for the purpose of pretesting or comprehensive performance testing under revised operating conditions, and only for a maximum of 720 hours (revewable at the discretion of the Administrator), except as provided by §63.1207(l)(3).
2) The facility must conduct a performance test under revised operating conditions following the requirements for performance testing of this condition; and
3) The facility must submit to the Administrator a Notification of Compliance subsequent to the new comprehensive performance test.

Condition 78: Failure of performance test - confirmatory test
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1207(l), Subpart EEE

Item 78.1:
This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 78.2:
If the facility determines (based on CEM recordings, results of analyses of stack samples, or results of CMS performance evaluations) that the facility has failed the dioxin/furan emission standard during a confirmatory performance test, the facility must cease burning hazardous waste immediately. The facility must make this determination within 90 days following completion of the performance test. To burn hazardous waste in the future:

1) The facility must submit to the Adminstrator for review and approval a test plan to conduct a comprehansive performance test to identify revised limits on the applicable dioxin/furan opeating parameters specified in §63.1209(k)
2) The facility must submit to the Administrator a Notification of Compliance with the dioxin/furan emission standard under the provisions of §63.1207(j), (k), and (l). The facility must include in the Notification of Compliance the revised limits on the applicable dioxin/furan operating parameters specified in §63.1209(k); and
3) Until the Notification of Compliance is submitted, the facility must not burn hazardous waste except for purposes of pretesting or confirmatory performance testing, and for a maximum of 720 hours (renewable at the discretion of the Administrator), except as provided by §63.1207(l)(3).

Condition 79: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(b), Subpart EEE

Item 79.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 79.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility shall install and operate all Continuous Monitoring Systems (CMS) required for compliance other than CEMS to comply with the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system. The calibration of thermocouples must be verified at a frequency and in a manner consistent with manufacturer specifications, but no less frequent than once per year. CMS must sample the regulated parameter without interruption, and evaluate the detector response at least once each 15 seconds, and compute and record the average values at least every 60 seconds. Waste feed to the Multiple Hearth Incinerator shall automatically shut down if the span of the non-CEMS CMS detector is exceeded.

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

Condition 80: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(c)(2), Subpart EEE

Item 80.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 80.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility must develop and implement a feedstream analysis plan and record it in the operating record. The plan must specify at a minimum:
1) The parameters for which the facility will analyze each feedstream to ensure compliance with the operating parameter limits of §63.1209.
2) Whether the facility will obtain the analysis by performing sampling and analysis or by other methods, such as using analytical information obtained from others or using other published or documented data or information.
3) How the facility will use the analysis to document compliance with applicable feedrate limits (e.g., if the facility blends hazardous wastes and obtains analyses of the wastes prior to blending but not of the blended, as-fired, waste, the plan must describe how the facility will determine the pertinent parameters of the blended waste).
4) The test methods which the facility will use to obtain the analysis.
5) The sampling method which the facility will use to obtain a representative sample of each feedstream to be analyzed using sampling methods described in appendix IX, part 266 of Chapter 40, or an equivalent method.
6) The frequency with which the facility will review or repeat the initial analysis of the feedstream to ensure that the analysis is accurate and up to date.

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

Condition 81: Compliance Certification

Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(g)(2), Subpart EEE

Item 81.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 81.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In accordance with the provisions of 63.1209(g)(2), the temperature of the Multiple Hearth Incinerator (MHI) at hearths #3 and #4 shall remain at or below 1625 degrees F, on a rolling hourly basis. These temperatures shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically shut down if the MHI #3 or #4 temperature exceeds 1625 degrees F, on a rolling hourly basis.

These parameter limits do not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. These

parameter limit values are effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 1625 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 82: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(g)(2), Subpart EEE

Item 82.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 82.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In accordance with the provisions of 63.1209(g)(2), the Department has specified additional monitoring requirements for the Multiple Hearth Incinerator (MHI). The speed of the rabble arm, which controls the sludge residence time on each hearth of the MHI , shall be monitored on a continuous basis and maintained at or below 2.1 revolutions per minute (RPM) on a rolling hourly basis.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, the 1-minute average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: ROTATION RATE
Upper Permit Limit: 2.1 revolutions per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(g)(2), Subpart EEE

Item 83.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 83.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In accordance with the provisions of 63.1209(g)(2), the Department has specified additional monitoring requirements for the quench chamber (Control Device 09506). The water flow rate to the quench shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated and maintained at or above 170 gallons per
minute on a rolling hourly basis. Waste feed to the MHI shall be automatically shut down if the quench water flow rate falls below this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 170 gallons per minute

Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(g)(2), Subpart EEE

Item 84.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 84.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

In accordance with the provisions of 63.1209(g)(2), the Department has specified additional monitoring requirements for the quench chamber (Control Device 09506). The outlet temperature from the quench shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated and maintained at a maximum of 210 degrees F. Waste feed to the MHI shall be automatically shut down if the quench outlet temperature exceeds 210 degrees F.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This

parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 210 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 85: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(g)(2), Subpart EEE

Item 85.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 85.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In accordance with the provisions of 63.1209(g)(2), the Department has specified alternative monitoring requirements for the Wet Electrostatic Precipitator (WESP)(Control Device 09511). The secondary power to the WESP shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated and maintained at or above 0.785 KVA, on a rolling hourly basis. Waste feed to the MHI shall be automatically shut down if the WESP KVA falls below this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This

parameter limit value is based on a September 22, 2003 approval of an alternative monitoring petition and will remain in effect until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with

the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: POWER
Lower Permit Limit: 0.785 kilovolt-amperes
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 86: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(g)(2), Subpart EEE

Item 86.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 86.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In accordance with the provisions of 63.1209(g)(2), the Department has specified alternative monitoring requirements for the Wet Electrostatic Precipitator (WESP) (Control Device 09511) based on EPA's September 22, 2003 approval of an alternative monitoring petition. The voltage to the WESP shall be maximized using the automatic control for the WESP. In addition to monitoring the minimum secondary power to the WESP (as specified in a separate permit
condition), the secondary specific power supplied to the WESP shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated and maintained at or above 100 KVA/1000 acfm on a rolling hourly basis. Waste feed to the MHI shall be automatically shut down if the WESP secondary specific power falls below this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This

parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: SECONDARY SPECIFIC POWER
Lower Permit Limit: 100 volt-amperes per 1000 actual cubic feet per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 87: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(k)(2), Subpart EEE

Item 87.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 87.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(j)(1) and 63.1209(k)(2), and in accordance with the provisions of 63.1209(g)(2), the temperature of the Multiple Hearth Incinerator (MHI) at the Secondary

Combustion Chamber (SCC) shall remain at or between 1600 degrees F and 1740 degrees F, on a rolling hourly basis. This temperature shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically shut down if the SCC temperature falls below 1600 degrees F or exceeds 1740 degrees F, on a rolling hourly basis.

These parameter limits do not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. These

parameter limit values are effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1600 degrees Fahrenheit
Upper Permit Limit: 1740 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 88: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(k)(2), Subpart EEE

Item 88.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 88.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(j)(1) and 63.1209(k)(2), the temperature of the Multiple Hearth Incinerator (MHI) shall remain at or above 1501 degrees F at hearth #3 or #4, on a rolling hourly basis. These temperatures shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically shut down if the hearth #3 and #4 temperature falls below 1501 degrees F, on a rolling hourly basis.

These parameter limits do not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. These

parameter limit values are effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1501 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 89: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(k)(4), Subpart EEE

Item 89.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 89.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(j)(3) and 63.1209(k)(4), the feed of wastewater sludges or grit to the MHI shall not exceed 6,101 lbs/hr on a rolling hourly average basis. Waste feed to the MHI shall automatically shut down if the feed rate exceeds this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute)shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: MASS FLOW RATE
Upper Permit Limit: 6101 pounds per hour
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 90: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(l)(1), Subpart EEE

Item 90.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 90.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(l)(1), the feed rate of high-volatile metals (mercury) to the Multiple Hearth Incinerator (MHI) shall not exceed 33 grams/12 hour on a rolling 12-hourly basis. The mercury feed rate shall be monitored on a continuous basis using data collected for the feed analysis plan and the continuous sludge feed rate measurement when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be
automatically shut down if the mercury feed rate goes above this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This

parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 12-hour average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: MERCURY
Upper Permit Limit: 33 grams
Monitoring Frequency: CONTINUOUS
Averaging Method: 12-HR ROLLING AVG, CALCULATED EA. HR AS THE AVG OF THE PAST 12 OPERATING HRS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 91: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(l)(2), Subpart EEE

Item 91.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 91.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(l)(2) and 63.1209(o)(3)(iii), the feed water pressure to the Condenser (Control Device 09507) shall remain at or above 22 PSI on a rolling hourly basis. The feed pressure to the Condenser shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically shut down if the Condenser water pressure goes below this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This

parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 1-hour average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE
Lower Permit Limit: 22 pounds per square inch gauge
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 92: Compliance Certification

Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(m)(1)(i)('A'), Subpart EEE

Item 92.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 92.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(m)(1)(i)(A), 63.1209(l)(2), 63.1209(n)(3), and 63.1209(o)(3)(i), when wastewater sludges or grit is being incinerated, the pressure drop across the venturi scrubber (Control Device 09509) shall be maintained at or above 48 inches of water on a rolling hourly average basis. Waste feed to the MHI shall be automatically shut down if the pressure drop across the venturi scrubber falls below this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This

parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE DROP
Lower Permit Limit: 48 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 93: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(m)(1)(i)('B')('1'), Subpart EEE

Item 93.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 93.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(m)(1)(i)(B)(1)(ii) and 63.1209(n)(3), the venturi scrubber (Control Device 09509) blowdown rate shall remain at or above 25 gallons per minute on a rolling hourly basis. The blowdown rate shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically shut down if the venturi blowdown rate falls below this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This

parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 25 gallons per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 94: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(m)(1)(i)('B')('1'), Subpart EEE

Item 94.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 94.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(m)(1)(i)(B)(1)(ii) and 63.1209(n)(3), the liquid level in the Entrainment Separator Sump (Control Device 09510) (Venturi/Separator Recycle Tank) shall be maintained at or above 33 inches on a rolling hourly basis. The liquid level shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated. Waste feed to the Multiple Hearth Incinerator (MHI) shall be automatically shut down if the liquid level falls below this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each

minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: LIQUID LEVEL
Lower Permit Limit: 33 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 95: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(m)(1)(i)('C'), Subpart EEE

Item 95.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 95.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(m)(1)(i)(C), 63.1209(k)(3), 63.1209(j)(2), 63.1209(n)(5), and 63.1209(o)(2), when wastewater sludges or grit is being incinerated, the stack gas air flow rate through the multiple Hearth Incinerator (ES 095AF) shall be maintained at or below 12,900 acfm on a rolling hourly average basis except for 12 hours per year when it shall be maintained at or below 12,900 acfm on a 3 hour rolling hourly average basis. Waste feed to the MHI shall be automatically shut down if either of these conditions is not met.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This

parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, rolling hourly average values for each minute, and rolling 3-hour average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE
Upper Permit Limit: 12,900 cubic feet per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 96: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(m)(1)(i)('C'), Subpart EEE

Item 96.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 96.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(m)(1)(i)(C), 63.1209(l)(2), 63.1209(o)(2) and 63.1209(n)(5) when wastewater sludges or grit is being incinerated, the water flow rates to the venturi scrubber approach and throat (Control Device 09509) shall each be maintained at or above 90 gallons per minute (gpm) on a rolling hourly average basis. Waste feed to the MHI shall be automatically shut down if either of these conditions is not met.

This parameter limit does not apply (1) during performance

tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 90 gallons per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 97: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(m)(3), Subpart EEE

Item 97.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 97.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(m)(3), the ash feed rate to the Multiple Hearth Incinerator (MHI) shall be limited to 9,786 lbs/12 hours on a rolling 12-hourly basis. The ash feed rate shall be monitored on a continuous basis using data collected for the feed analysis plan and the continuous sludge feedrate measurement when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically

shut down if the ash feed rate goes above this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 12- hour average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: ASH
Upper Permit Limit: 9,786 pounds per 12 hours
Monitoring Frequency: CONTINUOUS
Averaging Method: 12-HR ROLLING AVG, CALCULATED EA. HR AS THE AVG OF THE PAST 12 OPERATING HRS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(n)(2), Subpart EEE

Item 98.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 98.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(n)(2), the feed rate of semi-volatile metals (lead and cadmium) to the Multiple Hearth Incinerator (MHI)

shall not exceed 2,291 grams/12 hour on a rolling 12-hourly basis. The semi-volatile metal feed rate shall be monitored on a continuous basis using data collected for the feed analysis plan and the continuous sludge feed rate measurement when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically shut down if the semi-volatile metal feed rate goes above this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 12-hour average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: SLUDGE
Upper Permit Limit: 2,291 grams
Monitoring Frequency: CONTINUOUS
Averaging Method: 12-HR ROLLING AVG, CALCULATED EA. HR AS THE AVG OF THE PAST 12 OPERATING HRS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(n)(2), Subpart EEE

Item 99.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 99.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(n)(2), the feed rate of low-volatile metals (arsenic, beryllium, and chromium) to the Multiple Hearth Incinerator (MHI) shall not exceed 8,655 grams/12 hour on a rolling 12-hourly basis. The low-volatile metal feed rate shall be monitored on a continuous basis using data collected for the feed analysis plan and the continuous sludge feed rate measurement when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically shut down if the low-volatile metal feed rate goes above
this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 12-hour average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: SLUDGE
Upper Permit Limit: 8,655 grams
Monitoring Frequency: CONTINUOUS
Averaging Method: 12-HR ROLLING AVG, CALCULATED EA. HR AS THE AVG OF THE PAST 12 OPERATING HRS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 100: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(o)(1), Subpart EEE

Item 100.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 100.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(o)(1) and 1209(n)(4), the total feed rate of chlorine (organic and inorganic) to the Multiple Hearth Incinerator (MHI) shall remain at or below 285 pounds/12 hours on a rolling 12-hourly basis. This feed rate shall be monitored on a continuous basis using data collected for the feed analysis plan and the continuous sludge feed rate measurement when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically shut down if the chlorine feed rate exceeds this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 12-hour average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: CHLORINE
Upper Permit Limit: 285 pounds per 12 hours
Monitoring Frequency: CONTINUOUS
Averaging Method: 12-HR ROLLING AVG, CALCULATED EA. HR AS THE AVG OF THE PAST 12 OPERATING HRS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 101: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(o)(3)(ii), Subpart EEE

Item 101.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 101.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(o)(3)(ii) and 63.1209(l)(2), the pressure drop across the Condenser/Absorber (Control Device 09507) shall be maintained between -0.7 and -0.25 inches of water (wc), unless the stack gas flow rate is less than 8863 acfm. If the stack gas flow rate is <8863 acfm, the upper limit will be: -0.9 x ((stack gas flow rate in acfm/14,771) squared) x 0.70. The pressure shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated. An alarm will be activated if these Condenser/Absorber pressure drop limits are not met. When an alarm is activated, the operators will evaluate the treatment system and make appropriate system changes to bring the parameter within limits. If the cause of the alarm cannot be identified or corrected immediately, a controlled shutdown shall be initiated to cut off waste feed to the MHI.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This condition is based on an approved alternative monitoring petition. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: -0.70 inches of water
Upper Permit Limit: -0.25 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 102: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(o)(3)(iv), Subpart EEE

Item 102.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 102.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(o)(3)(iv), the pH level of the Venturi (Control Device 09509) blowdown shall remain at or above 5.4 on a rolling hourly average basis. The pH shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically shut down if the pH level falls below this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is based on results of the 2013 CPT and an alternative monitoring request, approved by USEPA May 21, 2015.

For the duration of the alternative pH limit of 5.40, RED shall establish the value of 5.69 as an advisory threshold for the venturi recycle parameter. RED shall provide

summary information to both the EPA and NYSDEC regarding the occurrences of the venturi recycle pH operating value dropping below the advisory threshold. Specific reporting information is defined under a separate facility-level permit condition for 40 CFR Subpart EEE semiannual reporting.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: ACIDITY/ALKALINITY
Lower Permit Limit: 5.4 pH (STANDARD) units
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 103: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1209(o)(3)(v), Subpart EEE

Item 103.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 103.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with the requirements of 63.1209(o)(3)(v) and 63.1209(l)(2), the water flow rate to the Condenser (Control Device 09507) shall remain at or above 1000 gallons per minute on a rolling hourly average basis. This water flow rate shall be monitored on a continuous basis when wastewater sludges or grit is being incinerated. Waste feed to the MHI shall be automatically shut down if the water flow rate to the Condenser falls below this limit.

This parameter limit does not apply (1) during performance tests conducted in accordance with approved test plans, (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan, and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 1000 gallons per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 104: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1211(b), Subpart EEE

Item 104.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Item 104.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
RED shall maintain the following records in the operating record:

(1) Information required to document and maintain compliance with the regulations of Subpart EEE (identified in the conditions of this permit), including data recorded by continuous monitoring systems (CMS), and copies of all notifications, reports, plans, and other documents submitted to the Administrator.

(2) Documentation that a change will not adversely affect

compliance with the emission standards or operating requirements.

(3) Calculation of hazardous waste residence time.

(4) Startup, shutdown, and malfunction plan.

(5) Documentation of your investigation and evaluation of excessive exceedances during malfunctions.

(6) Corrective measures for any automatic waste feed cutoff that results in an exceedance of an emission standard or operating parameter limit.

(7) Documentation and results of the automatic waste feed cutoff operability testing.

(8) Emergency safety vent operating plan.

(9) Corrective measures for any emergency safety vent opening.

(10) Method used for control of combustion system leaks.

(11) Operator training and certification program

(12) Operation and maintenance plan.

(13) Feedstream analysis plan.

(14) Documentation of changes in modes of operation.

(15) Documentation of compliance.

Records shall be retained on site for five years and made available to the Department upon request.

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

Condition 105: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1219(a), Subpart EEE

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Item 105.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to comply with the requirements of 40 CFR 63.1219(a) and 40 CFR 63.1219(c)(1), RED shall maintain a Destruction and Removal Efficiency (DRE) of 99.99% for each principle organic hazardous constituent (POHC), and shall not discharge or cause combustion gases to be emitted into the atmosphere that contain any of the following:
- Dioxins and furans in excess of 0.40 ng TEQ/dscm*
- Mercury in excess of 130 ug/dscm*
- Semi-volatile metals (combined Cadmium & Lead) in excess of 230 ug/dscm*
- Low-volatile metals (combined Arsenic, Beryllium & Chromium) in excess of 92 ug/dscm*
- Carbon Monoxide in excess of 100 ppmv (dry basis)*, averaged on a rolling hourly basis
-Combined emissions of Hydrogen Chloride and Chlorine gas (total chlorine) in excess of 32 ppmv (expressed as chloride (Cl-) equivalent (dry basis)*
- Particulate matter in excess of 0.013 gr/dscf*

* Standards reflect corrections to 7% oxygen

To ensure compliance with this condition, RED shall operate the Multiple Hearth Incinerator (MHI) within the operating limits established during the comprehensive performance test, which are documented under separate permit conditions for compliance with 40 CFR 63 Subpart EEE. Exceedences of any of the operating limitations will be evaluated to determine if there was a deviation of this permit condition.

Parameter Monitored: DESTRUCTION EFFICIENCY
Lower Permit Limit: 99.99 percent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 106: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.1219(a), Subpart EEE

Item 106.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 106.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

In order to maintain compliance with the requirements of 40 CFR 63.1219(a)(5), 63.1209(a)(1)(i), and 63.1209(a)(6), carbon monoxide (CO) shall be continuously monitored when wastewater sludges or grit is being incinerated, except for periods when the CO emission monitoring system is undergoing required calibration checks. A CO CEMS must be installed, calibrated, maintained, and continuously operated in compliance with the quality assurance procedures provided in the appendix to Part 63 Subpart EEE and Performance Specification 4B in appendix B, Part 60 of this chapter. An oxygen CEMs must be used to continuously correct the CO level to 7 percent oxygen.

Carbon monoxide (CO) emissions in the stack should not exceed 100 parts per million by volume, on a hourly rolling average dry basis, corrected to 7 percent oxygen. Waste feed to the Multiple Hearth Incinerator shall be automatically shut down if the stack CO exceeds this limit.

In accordance with 63.1209(a)(3)(i), if the CO CEMS detects a response that results in a one-minute average at or above the 3,000 ppmv span level required by Performance Specification 4B in appendix B of 40 CFRPart 60, the one-minute average must be recorded as 10,000 ppmv. The one-minute 10,000 ppmv value must be used for calculating the hourly rolling average CO level.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Manufacturer Name/Model Number: Thermo Environmental Model 48C

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 100 parts per million by volume
(dry, corrected to 7% O2)
Reference Test Method: Method 4B- Appendix
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 107: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 107.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09504
Process: K06 Emission Source: 095AG

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

Item 107.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.050 grain/dscf, the pressure drop across the Torit dust collector (Control Device 09504) will be monitored at least once every 8 hours and maintained between 0.3 - 7 " water. The bags shall be changed as needed to maintain the proper operating pressure drop. Records of pressure drop and bag changes shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 0.3 inches of water
Upper Permit Limit: 7.0 inches of water
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.

Subsequent reports are due every 6 calendar month(s).

Condition 108: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 108.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09508
Process: K06 Emission Source: 095AJ

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

Item 108.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to ensure compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.050 grains/dscf and to meet the CAM requirements of 40 CFR 64, the pressure drop across the HEPA filter (Control Device 09508) shall be monitored continuously while the B-95 Central Vacuum System (ES 095AJ) is in use and maintained between 0.1"and 5.0" water. The HEPA filter shall be replaced as necessary to maintain the proper operating pressure drop. Records of pressure drop and filter replacement shall be kept on site and made available to the Department upon request. A distributed control system will be used to collect the data. Calibrations of the monitoring equipment shall be performed annually.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 0.1 inches of water
Upper Permit Limit: 5.0 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 109: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 212.10 (f)

Item 109.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09601
Process: K06 Emission Source: 096AA

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

Item 109.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 212.10 VOC RACT (Reasonably Available Control Technology) requirements, VOC emissions from the Grit Chamber (ES 096AA) shall be controlled by the carbon adsorption control system (Control Device 09601), except when the system is offline due to maintenance, or other activities which are authorized in advance by the Department. The system shall be comprised of two carbon beds arranged in series such that one bed serves as the primary control with the other serving as a backup at any given time. Based on the contaminant loading, influent wastewater flow at King's Landing, and an analysis provided by the carbon vendor dated March 11, 2011), the carbon beds shall be changed at a minimum of six times per calendar year at a frequency not to exceed 62 days, excluding time periods when the Grit Chamber is not in operation. Prior to the end of each 62 day operating period, the air flow will be re-directed to the backup bed and the carbon in the primary bed will be removed and replaced. The bed with the fresh carbon will then be put back into service in the back-up position.

Records of maintenance to the system and carbon bed replacements shall be kept on site and made available to the Department upon request.

Prior to the end of the third permit term ("Ren 2"), RED shall perform an engineering evaluation in order to re-evaluate the frequency of changing the carbon beds. The engineering evaluation report shall be submitted to the Department no later than the application for renewal of the permit.

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

Subsequent reports are due every 6 calendar month(s).

Condition 110: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 212.10 (f)

Item 110.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09601
Process: K06 Emission Source: 096AA

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

Item 110.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with 6 NYCRR Part 212.10 VOC RACT (Reasonably Available Control Technology) requirements, the five minute average inlet air flow rate to the carbon adsorption control system (Control Device 09601) shall be maintained between 200 and 500 scfm while the grit chamber is operating, except when the system is offline due to maintenance, or other activities which are authorized in advance by the Department. Records of air flow rate and grit chamber operation status and system maintenance/outages shall be kept on site and made available to the Department upon request.

Parameter Monitored: AIR FLOW
Lower Permit Limit: 200 cubic feet per minute (standard conditions)
Upper Permit Limit: 500 cubic feet per minute (standard conditions)
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 111: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

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

Item 111.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: R1601
Process: K06

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

Item 111.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 212.10 VOC RACT (Reasonably Available Control Technology) requirements, annual emissions of volatile organic compounds (VOC) from Emission Point R1601 shall not exceed 9.0 tpy on a rolling twelve-month basis. Annual emissions of VOC shall be calculated monthly and incorporated into a twelve-month rolling total. Records shall be kept on site for five years and made available to the Department upon request.

VOCs shall be calculated as follows: The inlet load to the Trickling Filter (ES R16AA) shall be assumed to be the same as the inlet load to the wastewater treatment plant, as determined by the 24 hour composite influent sampling done at least once every eight days at Station TKP. The loading to the odor scrubber shall then be calculated by multiplying the inlet load to the Trickling Filter by the appropriate emission factors (developed through historical mass balance sampling and /or theoretical calculations), and by considering the run time of the Trickling Filter. Emission factors shall be used to account for any VOC emissions which occur from the Sludge Holding Tanks (ES 095AL) & Centrifuge Room (ES 095AM). The loading to the scrubber shall then be adjusted by the control efficiency provided by the odor scrubber for the individual compounds.

The above limit is based on the Part 212 RACT Evaluation, dated March 2012 (Updated June 2014). The RACT determination shall be re-evaluated every five years or prior to any changes that could significantly impact the existing approved or pending RACT evaluation. The next re-evaluation shall be submitted no later than June 1, 2019.

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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 112: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

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

Item 112.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: R1601
Process: K06

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

Item 112.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maximize control efficiency for volatile organic compounds (VOC), the scrubber (Control Device R1601) will be operated with a minimum blowdown rate of 10 gpm, on a 15-minute rolling average basis. To meet the CAM requirements of 40 CFR 64, RED shall monitor the scrubber blowdown rate. The distributed control system shall collect the flow data at least once every minute. Calibrations of the flow meter shall be performed annually. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 10 gallons per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 15-MINUTE ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 113: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

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

Item 113.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 113.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Building 321 Boilers Maintenance Mode
Maintenance inspections and cleanouts for Emission Points 00003 and 00004 occur approximately twice every five years. During normal operations, Unit 43 is ducted to EP 00004. During these maintenance activities emissions from Units 43 (ES 321AI) may be re-ducted to the alternate stack for a period of up to 10 days as necessary to perform maintenance on the stack. Unit 42, ducted to EP 00003, and Unit 44, ducted to EP 00004, will not be re-ducted during maintenance procedure.

While emissions from ES 321AI are re-ducted during a maintenance mode, the affected boilers shall continue to operate in accordance with all applicable emission limits and requirements. Continuous opacity monitors on EP 00003 and EP 00004 will be used to monitor compliance with opacity limits during the maintenance mode.

RED shall notify the Department at least 30 days prior to implementing the maintenance mode which involves re-ducting emissions to the alternate stacks.

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

Condition 114: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 201-6.6

Item 114.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 114.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

RED-Rochester proposes to modify the Eastman Business Park powerhouse infrastructure according to either one of two plans. For purposes of distinguishing between the two

alternative plans, the permit includes references to "Scenario 1" and "Scenario 2". Scenario 1 is the complete curtailment of coal combustion and includes the conversion of existing coal-fired Boiler 44 (ES 321AJ) to natural gas, the addition of new gas-fired combined cycle turbines/HRSG, HP boilers (ES 321BJ, ES 321BL, ES 321BM) and an MP boiler (ES 321BK). Under Scenario 2, Boiler 44 would continue to operate as a coal-fired boiler, Boiler 43 (ES 321AI) would continue to operate as a 10% annual capacity factor limited use coal-fired boiler, MP dual fueled boiler would operate and the three proposed gas-fired boilers (HP Boilers ES 321BJ, ES 321BL, ES 321BM) will not be installed. Requirements for both scenarios are included in the permit to authorize construction.

RED shall provide notification to the Department as to which operating scenario will be employed, including a detailed start-up and shutdown schedule, at least 60 days prior to installing or modifying any of the emission sources permitted under Scenario 1 or 2. Along with this notification, RED shall submit an application for minor modification of the permit in order to remove requirements related to the eliminated option and provide any necessary clarification. This application shall be submitted in accordance the provisions of 6 NYCRR Part 201-6.6(c) and include the information specified in paragraph (3) of that subdivision.

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

Condition 115: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 225-1.2 (a)

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

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 115.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

RED operates bituminous coal fired Boiler 44 (ES 321AJ) which meets the criteria of Subdivision 225-1.2(a) for a newer coal boiler limited to 0.60 pounds of sulfur per million BTU gross heat content.

RED burns a mixture of fuels and shall comply with the equivalent emission rate variance described in Section 225-1.4. In order to demonstrate compliance, sulfur data shall be collected, tabulated, and reported pursuant to Sections 225-1.5 and 225-1.6 and in accordance with RED's Fuel Sampling and Analysis Plan (approved October 2014). Data must be retained for at least five years and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: BITUMINOUS COAL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.6 pounds per million Btus
Monitoring Frequency: PER DELIVERY
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 116: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 225-1.2 (c)

Item 116.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 116.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

RED operates bituminous coal fired Boilers 42 (ES 321AH) and Boiler 43 (ES 321AI) which are limited to the firing of solid fuel with a sulfur content of 2.5 lbs/mmBtu maximum, 1.9 lbs/mmBtu* average, and 1.7 lbs/mmBtu** annual average.

* Averages are computed for each emission source by dividing the total sulfur content by the total gross heat content of all solid fuel received during any consecutive three-month period.

** Annual averages are computed for each emission source by dividing the total sulfur content by the total gross heat content of all solid fuel received during any consecutive 12-month period.

RED burns a mixture of fuels and shall comply with the equivalent emission rate variance described in Section 225-1.4. In order to demonstrate compliance, sulfur data shall be collected, tabulated, and reported pursuant to Sections 225-1.5 and 225-1.6 and in accordance with RED's Fuel Sampling and Analysis Plan (approved October 2014). Data must be retained for at least five years and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: BITUMINOUS COAL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 2.5 pounds per million Btus
Monitoring Frequency: QUARTERLY
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 117: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 225-1.2 (e)

Item 117.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 117.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
RED operates stationary combustion installations that fire residual oil (#6 fuel oil), and are limited to the

purchase of residual oil with a sulfur content of 0.50% sulfur on or after July 1, 2014 and to the firing of residual oil with a sulfur content of 0.50% on or after July 1, 2016.

RED burns a mixture of fuels and shall comply with the equivalent emission rate variance described in Section 225-1.4. In order to demonstrate compliance, sulfur data shall be collected, tabulated, and reported pursuant to Sections 225-1.5 and 225-1.6 and in accordance with RED's Fuel Sampling and Analysis Plan (approved October 2014). Data must be retained for at least five years and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.50 percent by weight
Monitoring Frequency: PER DELIVERY
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 118: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 225-1.2 (f)

Item 118.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 118.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
On or after July 2, 2012, RED is limited to the purchase of number two heating oil with 0.0015 percent sulfur by weight or less. Compliance with this limit will be based on vendor certifications.

For combustion sources where a mixture of fuels is burned, RED shall comply with the equivalent emission rate

variance described in Section 225-1.4. In order to demonstrate compliance, sulfur data shall be collected, tabulated, and reported pursuant to Sections 225-1.5 and 225-1.6 and in accordance with RED's Fuel Sampling and Analysis Plan (approved October 2014). Data must be retained for at least five years and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: OIL (NOT ELSEWHERE CLASSIFIED)
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 119: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 225-1.2 (h)

Item 119.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 119.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
On or after July 1, 2016, RED is limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less. Compliance with this limit will be based on vendor certifications.

For combustion sources where a mixture of fuels is burned, RED shall comply with the equivalent emission rate variance described in Section 225-1.4. In order to demonstrate compliance, sulfur data shall be collected, tabulated, and reported pursuant to Sections 225-1.5 and 225-1.6 and in accordance with RED's Fuel Sampling and Analysis Plan (approved October 2014). Data must be retained for at least five years and made available to the

Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: OIL (NOT ELSEWHERE CLASSIFIED)
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 120: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 225-1.4

Item 120.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 120.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Fuels with sulfur content greater than that allowed under Subdivision 225-1.2 may be fired when the facility owner can demonstrate that actual ANNUAL sulfur dioxide emissions (S-actual) do not exceed the value for allowable ANNUAL sulfur dioxide emissions (S-allowable) as calculated below.

For each calendar year, for each of boiler (Boiler 42(ES 321AH), Boiler 43 (ES 321AI) and Boiler 44 (ES 321AJ), the following two step calculation procedure shall be performed:

Step 1: Calculate an allowable Sulfur Dioxide emission limit by the equation:

S-allowable = ((1.1)(A-allowable)(M) + (2)(B-allowable)(T)) / (M+T)

Where

S-allowable is the allowable annual average Sulfur Dioxide emissions rate in pounds per million BTU

A-allowable is the allowable annual sulfur in oil limit from 6NYCRR, Part 225 in % Sulfur by weight

M is the annual actual average of % of total heat input from oil

B-allowable is the allowable annual Sulfur in coal limit from 6NYCRR, Part 225 in pounds per million BTU

T is the annual actual average of total heat input from coal

Step 2: Calculate whether the allowable Sulfur Dioxide emission limit is being met by the equation

S-actual = ((1.1)(A-actual)(M) + (2)(B-actual)(T)) / (M + T + G)

Where
S-actual is the annual average Sulfur Dioxide emissions rate in pounds per million BTU

A-actual is the actual annual sulfur in oil content, in % Sulfur by weight

M is as defined above

B-actual is the actual annual sulfur in coal content, in pounds per million BTU

T is as defined above

G is the annual actual average of total heat input from natural gas

In accordance with RED's Fuel Sampling and Analysis Plan (approved October 2014), RED shall demonstrate compliance with the ANNUAL sulfur dioxide allowable limit in the Sulfur in Fuels reports submitted to the Department within 30 days from the end of each semiannual period. The annual report provided in January will be based on the calendar year. The annual report provided in July will be based on the period from July 1st of the previous year to June 30th of the current year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 121: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 225-1.4

Item 121.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 121.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Fuels with sulfur content greater than that allowed by Subdivision 225-1.2 may be fired when the facility owner can demonstrate that actual QUARTERLY sulfur dioxide emissions (S-actual) do not exceed the value for allowable QUARTERLY sulfur dioxide emissions (S-allowable) as calculated below.

For each calendar quarter, for each of boiler (Boiler 42 (ES 321AH), Boiler 43 (ES 321AI) and Boiler 44 (ES 321AJ)), the following two step calculation procedure shall be performed:

Step 1: Calculate an allowable Sulfur Dioxide emission limit by the equation

S-allowable = ((1.1)(A-allowable)(M) + (2)(B-allowable)(T)) / (M+T)

Where
S-allowable is the allowable quarterly average Sulfur Dioxide emissions rate in pounds per million BTU

A-allowable is the allowable quarterly sulfur in oil limit from 6NYCRR, Part 225 in % Sulfur by weight

M is the quarterly actual average of % of total heat input from oil

B-allowable is the allowable quarterly sulfur in coal limit from 6NYCRR, Part 225 in pounds per million BTU

T is the quarterly actual average of total heat input from coal

Step 2: Calculate whether the allowable Sulfur Dioxide emissions limit is being met by the equation

S-actual = ((1.1)(A-actual)(M) + (2)(B-actual)(T)) / (M + T + G)

Where
S-actual is the actual quarterly average Sulfur Dioxide emissions rate in pounds per million BTU

A-actual is the actual quarterly sulfur in oil content, in % Sulfur by weight

M is as defined above

B-actual is the actual quarterly sulfur in coal content, in pounds per million BTU

T is as defined above

G is the quarterly actual average of total heat input from natural gas

In accordance with RED's Fuel Sampling and Analysis Plan (approved October 2014), RED shall demonstrate compliance with the QUARTERLY sulfur dioxide allowable limit in the Sulfur in Fuels reports submitted to the Department within 30 days from the end of each quarter.

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

Condition 122: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 225-1.5

Item 122.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 122.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

In accordance with Paragraph 225-1.3(a)(3), fuel monitoring requirements apply to the facility which is subject to a sulfur dioxide equivalent emission rate for fuel mixtures pursuant to Subdivision 225-1.4(a).

Fuel sampling and sulfur analysis shall be conducted and results summarized and submitted to the Department on a quarterly basis in accordance with RED's Fuel Sampling and Analysis Plan (approved October 2014).

Measurements must be made daily of the rate of each fuel fired. The gross heat content and ash content of each fuel fired must be determined at least once each week. In the case of stationary combustion installations producing electricity for sale, the average electrical output and the hourly generation rate must also be measured.

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

Condition 123: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 225-1.6 (f)

Item 123.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 123.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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.

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

Condition 124: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-1.3 (a)

Item 124.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 124.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
For combustion sources equipped with Continuous Opacity Monitors (COMs): Bldg 31 Package Boilers 1- 4 / EP 00001; Boiler 42/ EP 00003; Boiler 43, Boiler 44, and new MP dual fuel Boiler 1/ EP 00004; and new HP dual fuel Boiler 1/ EP HPDF1, RED shall emit no greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Not withstanding the quarterly reporting requirements of Part 227-1.4(b), compliance with the opacity limit stated above shall be included in the Semi-annual Compliance Monitoring Report, pursuant to 201-6.5(c)(2).

Manufacturer Name/Model Number: PHOENIX INSTRUMENTS OPAC 20/20
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 125: Compliance Certification

Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-1.3 (a)

Item 125.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 125.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

RED operates three new natural gas fired turbines/HRSGs (EPs PGT01, PGT02, PGT03) and two new HP Gas-fired boilers (EP HPNG1, EP HPNG2) subject to the opacity standards of Section 227-1.3. These sources shall not operate at greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

RED shall conduct a Method 9 test to demonstrate compliance with the opacity limit within 180 days after initial startup of the applicable equipment. Thereafter, RED will conduct observations of visible emissions from the applicable emission points on a semiannual basis while the process is in operation. The permittee will investigate, in a timely manner, any instance where visible emissions (other than steam) are observed.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions 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. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Records of visible emissions (VE) observations, any follow-up Method 9 tests, investigations and corrective actions shall be kept on-site and made available to the Department upon request. VE observation records shall include: the date and time interval of all opacity observations; the name and affiliation of the observer; the current VE reading certification issued to the observer in the case of a Method 9 observation; and VE

observation data sheets.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: SEMI-ANNUALLY
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 126: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-1.4 (b)

Item 126.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 126.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly Excess Visible Emissions and Opacity Monitor Downtime Report:

1) the magnitude, location (building, emission point and boiler #), date, and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;

2) for each period of excess emissions, specific identification of the cause and corrective action taken;

3) identification of all periods of COMS downtime, including the date, time, and duration of each inoperable period, and the cause and corrective action for each COMS downtime period;

4) the total time during which the COMS were required to record data during the reporting period;

5) the total number of exceedences and the duration of

exceedences expressed as a percentage of the total time during which the COMS were required to record data;

6) the number of exceedances due to Start-up, Shut-down and Malfunction conditions and indication of those Malfunctions which were reported to the Department under Part 201-1.4 as a potentially excused exceedances.

7) other information as the Department may deem necessary, proper or desirable in order to enforce Article 19 of the Environmental Conservation Law (ECL) or the rules promulgated thereunder.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 127: Stack Monitoring
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-1.4 (c)

Item 127.1:
This Condition applies to Emission Unit: U-00015

Item 127.2:
If the sum of the maximum heat input capacity of all furnaces, which are operated simultaneously and are connected to a common air cleaning device and/or a common stack exceeds 250 million Btu per hour maximum heat input capacity, stack monitoring shall be required for such combustion installation in accordance with 6 NYCRR Part 227-1.4. The continuous stack monitoring and reporting requirements of this section as they may pertain to existing stationary combustion installlations shall apply witihin one year after the effective date of this section, or by such later date as determined by an order of the commissioner.

Condition 128: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR Subpart 227-2

Item 128.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 128.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

All emission limits based on heat input correspond to the Higher Heating Value (HHV) of the fuel burned. The limits apply at all loads of operation, except during periods of startup and shutdown (not to exceed three hours per occurrence), malfunctions (as defined in 6 NYCRR Part 201-2.1(b)(22)), periods of low steam demand (weekend turndown cycles), and periods of gas curtailment.

NOx limits during periods of low steam demand (low load) shall be determined by a plot of NOx vs. load, percent gas (or coal) vs. load, which were established following completion of the gas reburn studies on Boilers 42 and 43 and submitted to the Department on January 19, 1999 and February 3, 1998, respectively.

During periods of a natural gas curtailment, NOx emissions shall be minimized according to the procedures of the Natural Gas Curtailment Plan, subject to Department approval.

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

Condition 129: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR Subpart 227-2

Item 129.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 129.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

A summary of the emission limits and operating restrictions for this permit must be posted in the Building 31 and 321 control rooms and must be plainly visible (without obstructions) to the operator(s) of the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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

Condition 130: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (a) (1) (ii)

Item 130.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K24 Emission Source: 321BL

Emission Unit: U-00015
Process: K24 Emission Source: 321BM

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

Item 130.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This condition applies to natural gas only fired very large boilers. The owner or operator shall install, calibrate, maintain, and operate a CEMS for the monitoring of NOx in accordance with the requirements of this subpart.

Compliance with the emission limit will be based on a 24-hour heat input weighted average from May 1st through September 30th. Compliance with the emission limit will be based on a 30-day rolling heat input weighted average from October 1st through April 30th.

Owners or operators required to use 40 CFR Part 75 monitoring reference methods are required to do so. Any other owners or operators may use either 40 CFR Part 60 or 40 CFR Part 75 monitoring reference methods.

The owner or operator will maintain records on-site for a minimum of five years.

The compliance deadline, with the emission limitation listed in this condition, is July, 1 2014. Compliance with the monitoring, record keeping, or reporting

requirements listed in this condition begins on July, 1 2014.

Manufacturer Name/Model Number: NOx Analyzer
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.08 pounds per million Btus
Reference Test Method: See monitoring description
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 131: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (a) (1) (ii)

Item 131.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K20

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24 Emission Source: 321BJ

Emission Unit: U-00015
Process: K24 Emission Source: 321BK

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

Item 131.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This condition applies to natural gas/oil fired very large boilers. The owner or operator shall install, calibrate, maintain, and operate a CEMS for the monitoring of NOx in accordance with the requirements of this subpart.

Compliance with the emission limit will be based on a 24-hour heat input weighted average from May 1st through September 30th. Compliance with the emission limit will be based on a 30-day rolling heat input weighted average from October 1st through April 30th.

Owners or operators required to use 40 CFR Part 75 monitoring reference methods are required to do so. Any other owners or operators may use either 40 CFR Part 60 or 40 CFR Part 75 monitoring reference methods.

The owner or operator will maintain records on-site for a minimum of five years.

The compliance deadline, with the emission limitation listed in this condition, is July, 1 2014. Compliance with the monitoring, record keeping, or reporting requirements listed in this condition begins on July, 1 2014.

Manufacturer Name/Model Number: NOx Analyzer
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.15 pounds per million Btus
Reference Test Method: See monitoring description
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 132: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (a) (2)

Item 132.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 132.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
In order to comply with Subpart Part 227-2 NOx RACT

requirements, NOx emissions from Boiler 44 (ES 321AJ) are limited to 0.42 lb/mmBtu.

Compliance with these limits will be demonstrated through the use of a continuous monitoring system according to the requirements of Part 227-2.6. Emission limits are based on a 24 hour average during the ozone season and a 30-day rolling average during the non-ozone season.

In the case that RED decides to employ Scenario 2 and continue to operate Boiler 44 as a coal-fired boiler, a re-evaluation of Part 227-2 NOx RACT requirements shall be submitted along with the notification to the Department required under a Part 201-6.6 condition elsewhere in this permit.

Manufacturer Name/Model Number: TECO 42
Upper Permit Limit: 0.42 pounds per million Btus
Reference Test Method: Method 7E
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 133: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (e) (3)

Item 133.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 133.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
RED operates three (3) gas-fired 11 Megawatt gas turbines (Emission Sources 321BA, 321BB, 321BC) and three (3) gas-fired 220 KPPH (thousand pound per hour) Heat Recovery Steam Generating Units (HRSGs) (Emission Sources 321BE, 321BF, 321BG) subject to the NOx RACT requirements. These sources are included in Processes K21 and K22. In accordance with the NOx RACT Plan, dated June 2014

(Revised October 2014), NOx emissions will be reduced through the use of Selective Catalytic Reduction (SCR) and limited to 0.02 lbs NOx/mmBtu from each combined gas turbine/HRSG unit.

Compliance with these limits will be demonstrated through the use of a continuous monitoring system according to the requirements of Part 227-2.6. Emission limits are based on a 24 hour average during the ozone season and a 30-day rolling average during the non-ozone season.

Owners or operators required to use 40 CFR Part 75 monitoring reference methods are required to do so. Any other owners or operators may use either 40 CFR Part 60 or 40 CFR Part 75 monitoring reference methods.

The owner or operator will maintain records on-site for a minimum of five years.

Manufacturer Name/Model Number: NOT YET DETERMINED
Upper Permit Limit: 0.02 pounds per million Btus
Reference Test Method: METHOD 7E
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 134: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-2.6

Item 134.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 134.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
RED is required to operate certified continuous monitoring and recording systems (CEM) to measure NOx and either CO2 or O2 in the exhaust stack of the following units: Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Boiler

44 (ES 321AJ), new HP and MP Dual Fuel Boilers (ES 321BJ and ES 321BK), and the combined Gas Turbine/Heat Recovery Steam Generating Units (HRSGs) (ES 321BA/321BE, ES 321BB/321BF, ES 321BC/321BG). These CEM systems shall be calibrated and maintained and shall meet the requirements of 6 NYCRR 227-2.6. The Department shall be notified 30 days in advance of the date upon which CEM system performance demonstration are scheduled to commence.

A quarterly written CEM report shall be submitted to NYSDEC for every calendar year quarter in accordance with the requirements of subparagraph 227-2.6(b)(4)(iv). All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter and shall include:

(i) A summary of excess emissions and CEMs downtime reported in the format acceptable to the Department.

(ii) The results of the quarterly monitoring performance audit, reported in the format of 40 CFR 60 Appendix F (or equivalent).

(iii) Excess emissions shall be identified as any 24 hour block period or 30 day average depending upon the time of the year during which the average emissions of NOx, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits set forth in Section I.

(iv) For the purposes of this permit, excess emissions indicated by the CEM system for 24 hour or 30 day block, depending upon the time of year, periods other than startups, shutdowns and malfunctions (6 NYCRR 201.5(d)) may be considered violations of the applicable emission limits.

A file of all measurements shall be maintained, including CEM system performance evaluations; all CEM systems or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. Files of such measurements, maintenance, reports, and records shall be retained for at least five years.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.

Subsequent reports are due every 6 calendar month(s).

Condition 135: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-2.6 (b)

Item 135.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 135.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For sources equipped with Continuous Emission Monitoring System (CEMS) for monitoring NOx emissions, RED must follow an approved CEMS monitoring plan, submitted in accordance with Paragraph 227-2.6(b)(1).

A CEMS certification protocol, as specified in Paragraph 227-2.6(b)(2), must be submitted at least 60 days prior to compliance testing.

The CEMS must be installed, calibrated, maintained, and operated in accordance with the CEMS certification protocol, and must record the output of each such system. The procedures and test methods in Subparagraphs 227-2.6(b)(3)(i - vii) must be used for determining compliance with the relevant NOx emission limit under Section 227- 2.4.

RED must follow the CEMS recordkeeping and reporting requirements of Paragraph 227-2.6(b)(4).

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

Condition 136: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-6.2

Item 136.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 136.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 2, in order to ensure emissions of oxides of nitrogen (NOx) remain below the 40 tpy Nonattainment New Source Review (NNSR) significant net emission increase applicability threshold, project emissions shall be limited as follows:

Emissions of NOx from all sources included in the project: Package Boilers 1- 4 (ES 031AC - 031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), and the dual-fueled MP Boiler (ES 321BK); are limited to 424.4 tons per year on a 12-month rolling basis.

If Scenario 2 is implemented, the record keeping requirements to demonstrate compliance with this annual NOx limit, shall be effective upon start-up of the new or modified equipment. NOx emissions shall be monitored and recorded on a monthly basis to be incorporated into a 12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on Continuous Emission Monitors (CEMS) data, where available; fuel use and operating records; and emission factors. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 424.4 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 137: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-6.2

Item 137.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 137.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 1, in order to ensure emissions of volatile organic compounds (VOC) remain below the 40 tpy Nonattainment New Source Review (NNSR) significant net emission increase applicability threshold, project emissions shall be limited as follows:

Emissions of VOC from all sources included in the project: Package Boilers 1- 4 (ES 031AC - 031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Boiler 44 (ES 321AJ), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), dual fueled HP and MP Boilers (ES 321BJ, ES 321BK), and two gas-only HP Boilers (ES 321BL & 321BM); are limited to 44.0 tons per year on a 12-month rolling basis.

If Scenario 1 is implemented, the record keeping requirements to demonstrate compliance with this annual VOC limit shall be effective upon start-up of the new or modified equipment. VOC emissions shall be monitored and recorded on a monthly basis to be incorporated into a 12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on fuel use, operating records, and emission factors. Records shall be kept on site and made available to the Department upon request.

If Scenario 2 is implemented, netting for VOC emissions would not be required and VOC emissions would not be limited on an annual basis.

Parameter Monitored: VOC
Upper Permit Limit: 44.0 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.

Subsequent reports are due every 6 calendar month(s).

Condition 138: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-6.2

Item 138.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 138.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 1, in order to ensure emissions of oxides of nitrogen (NOx) remain below the 40 tpy Nonattainment New Source Review (NNSR) significant net emission increase applicability threshold, project emissions shall be limited as follows:

Emissions of NOx from all sources included in the project: Package Boilers 1- 4 (ES 031AC - 031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Boiler 44 (ES 321AJ), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), dual-fueled HP and MP Boilers (ES 321BJ & ES 321BK), and two gas-only HP Boilers (ES 321BL & ES 321BM); are limited to 684.0 tons per year on a 12-month rolling basis.

If Scenario 1 is implemented, the record keeping requirements to demonstrate compliance with this annual NOx limit, shall be effective upon start-up of the new or modified equipment. NOx emissions shall be monitored and recorded on a monthly basis to be incorporated into a 12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on Continuous Emission Monitors (CEMS) data, where available; fuel use and operating records; and emission factors. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 684.0 tons per year
Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 139: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-8.2

Item 139.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 139.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 2, in order to ensure emissions of PM-10 remain below the 15 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold, project emissions shall be limited as follows:

Emissions of PM-10 from all sources included in the project: Package Boilers 1- 4 (ES 031AC - 031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), and dual fueled MP Boiler (ES 321BK); are limited to 96.5 tons per year on a 12-month rolling basis.

If Scenario 2 is implemented, the record keeping requirements to demonstrate compliance with this annual PM-10 limit shall be effective upon start-up of the new or modified equipment. PM-10 emissions shall be monitored and recorded on a monthly basis to be incorporated into a 12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on fuel use data, operating records, and emission factors. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PM-10
Upper Permit Limit: 96.5 tons per year
Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 140: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-8.2

Item 140.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 0NY075-02-5 PM 2.5

Item 140.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 2, in order to ensure emissions of PM 2.5 remain below the 10 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold, project emissions shall be limited as follows:

Emissions of Particulates from all sources included in the project: Package Boilers 1- 4 (ES 031AC - 031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), and dual fueled MP Boiler (ES 321BK); are limited to 86.7 tons per year on a 12-month rolling basis.

If Scenario 2 is implemented, the record keeping requirements to demonstrate compliance with this annual PM 2.5 limit shall be effective upon start-up of the new or modified equipment. PM 2.5 emissions shall be monitored and recorded on a monthly basis to be incorporated into a 12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on fuel use data, operating records, and emission factors. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PM 2.5
Upper Permit Limit: 86.7 tons per year
Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 141: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-8.2

Item 141.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 141.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 1, in order to ensure emissions of PM-10 remain below the 15 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold, project emissions shall be limited as follows:

Emissions of PM-10 from all sources included in the project: Package Boilers 1- 4 (ES 031AC - 031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Boiler 44 (ES 321AJ), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), dual fueled HP and MP Boilers (ES 321BJ, ES 321BK), and gas-only HP Boilers (ES 321BL & 321BM); are limited to 71.2 tons per year on a 12-month rolling basis.

If Scenario 1 is implemented, the record keeping requirements to demonstrate compliance with the annual PM-10 limit shall be effective upon start-up of the new or modified equipment. PM-10 emissions shall be monitored and recorded on a monthly basis to be incorporated into a 12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on fuel use, operating records, and emission factors. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PM-10

Upper Permit Limit: 71.2 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 142: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-8.2

Item 142.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 0NY075-02-5 PM 2.5

Item 142.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 1, in order to ensure emissions of PM 2.5 remain below the 10 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold, project emissions shall be limited as follows:

Emissions of PM 2.5 from all sources included in the project: Package Boilers 1- 4 (ES 031AC - 031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Boiler 44 (ES 321AJ), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), dual fueled HP and MP Boilers (ES 321BJ, ES 321BK), and gas-only HP Boilers (ES 321BL & 321BM); are limited to 71.2 tons per year on a 12-month rolling basis.

If Scenario 1 is implemented, the record keeping requirements to demonstrate compliance with the annual PM 2.5 limit shall be effective upon start-up of the new or modified equipment. PM 2.5 emissions shall be monitored and recorded on a monthly basis to be incorporated into a 12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on fuel use, operating records, and emission factors. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PM 2.5
Upper Permit Limit: 71.2 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 143: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-8.2

Item 143.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 143.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 2, in order to ensure emissions of carbon monoxide (CO) remain below the 100 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold under, project emissions shall be limited as follows:

Emissions of Carbon Monoxide from all sources included in the project: Package Boilers 1 - 4 (ES 031AC -031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), and dual fueled MP Boiler (ES 321BK); are limited to 207.0 tons per year on a 12-month rolling basis.

If Scenario 2 is implemented, the record keeping requirements to demonstrate compliance with this annual CO limit shall be effective upon start-up of the new or modified equipment. CO emissions shall be monitored and recorded on a monthly basis to be incorporated into a 12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on Continuous Emission Monitors (CEMS) data, where available; fuel use and operating records; and emission

factors. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 207.0 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 144: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-8.2

Item 144.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 144.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 2, in order to ensure emissions of Particulates remain below the 25 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold, project emissions shall be limited as follows:

Emissions of Particulates from all sources included in the project: Package Boilers 1-4 (ES 031AC - 031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), and dual fueled MP Boiler (ES 321BK); are limited to 106.4 tons per year on a 12-month rolling basis.

If Scenario 2 is implemented, the record keeping requirements to demonstrate compliance with this annual Particulates limit shall be effective upon start-up of the new or modified equipment. Particulate emissions shall be monitored and recorded on a monthly basis to be incorporated into a 12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on fuel use data,

operating records, and emission factors. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 106.4 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 145: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-8.2

Item 145.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 145.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 1, in order to ensure emissions of carbon monoxide (CO) remain below the 100 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold under, project emissions shall be limited as follows:

Emissions of Carbon Monoxide from all sources included in the project: Package Boilers 1-4 (ES 031AC - 031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Boiler 44 (ES 321AJ), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), dual fueled HP and MP Boilers (ES 321BJ, ES 321BK), and gas-only HP Boilers (ES 321BL & 321BM); are limited to 250.0 tons per year on a 12-month rolling basis.

If Scenario 1 is implemented, the record keeping requirements to demonstrate compliance with this annual CO limit shall be effective upon start-up of the new or modified equipment. CO emissions shall be monitored and recorded on a monthly basis to be incorporated into a

12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on Continuous Emission Monitors (CEMS) data, where available; fuel use and operating records; and emission factors. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 250.0 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 146: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 231-8.2

Item 146.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 146.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Under Scenario 1, in order to ensure emissions of Particulates remain below the 25 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold, project emissions shall be limited as follows:

Emissions of Particulates from all sources included in the project: Package Boilers 1- 4 (ES 031AC - 031AF), Boiler 42 (ES 321AH), Boiler 43 (ES 321AI), Boiler 44 (ES 321AJ), Gas-fired Turbines and HRGS (ES 321BA/ 321BE, ES 321BB/ 321BF, ES 321BC/ 321BG), dual fueled HP and MP Boilers (ES 321BJ, ES 321BK), and gas-only HP Boilers (ES 321BL & 321BM); are limited to 71.2 tons per year on a 12-month rolling basis.

If Scenario 1 is implemented, the record keeping

requirements to demonstrate compliance with the annual Particulate limit shall be effective upon start-up of the new or modified equipment. Particulate emissions shall be monitored and recorded on a monthly basis to be incorporated into a 12-month rolling total. Emission monitoring will be done according to an approved monitoring plan, and will be based on fuel use, operating records, and emission factors. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 71.2 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 147: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 147.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 147.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
In order to demonstrate compliance with 40 CFR 52.21 Prevention of Significant Deterioration (PSD), carbon monoxide (CO) emissions from the combustion of bituminous coal in Boiler 44 (ES 321AJ) shall not exceed 0.03 lb/mmbtu, as determined by applying emission factors to the heat input of the unit.

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

Condition 148: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 148.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 148.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
In order to maintain compliance with 40 CFR 52.21 Prevention of Significant Deterioration (PSD), particulate emissions from the combustion of coal and No.2 fuel oil in Boiler 44 (ES 321AJ) shall not exceed 0.035 lb/mmBtu (as established in the initial PSD permit for this boiler).
To demonstrate compliance with this particulate limit, a stack test shall be conducted once during the term of this permit. A stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202.

Upper Permit Limit: 0.035 pounds per million Btus
Reference Test Method: Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 149: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 149.1:
This Condition applies to Emission Unit: U-00015

Item 149.2:
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 150: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 60.42b(k)(2), NSPS Subpart Db

Item 150.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 150.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
RED operates three (3) natural gas-fired Heat Recovery Steam Generating Units (ES 321BE, 321BF, 321BG), two (2) new Dual fueled (natural gas and No.2 fuel oil) Boilers (ES 321BJ, 321BK), and two (2) new natural gas-only Boilers (ES 321BL, 321BM) which meet the exemption criteria in paragraph 60.42b(k)(2).

Units firing only very low sulfur oil that contains no more than 0.3 weight percent sulfur, gaseous fuel, a mixture of these fuels, or a mixture of these fuels with any other fuels with a potential SO2 emission rate of 140 ng/J (0.32 lb/MMBtu) heat input or less are exempt from the Sulfur Dioxide emissions limit under 40 CFR 60.42b(k)(1).

RED shall demonstrate that the oil burned in the affected units meets the definition of very low sulfur oil by maintaining fuel receipts in accordance with the record keeping requirements of paragraph 60.49b(r)(1).

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: OIL (NOT ELSEWHERE CLASSIFIED)
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.3 percent by weight
Monitoring Frequency: PER DELIVERY
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 151: Exemption from PM standards.
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 60.43b(h)(5), NSPS Subpart Db

Item 151.1:
This Condition applies to Emission Unit: U-00015

Item 151.2: On or after the date on which the initial performance test is completed or is required to be completed under 40 CFR 60.8, whichever date comes first, an owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts only oil that contains no more than 0.3 weight percent sulfur or other liquid or gaseous fuels with potential sulfur dioxide emission rates of 140 ng/J (0.32 lb/MMBtu) heat input or less is not subject to the PM limits in this section.

Condition 152: PM monitoring exemption.
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 60.48b(j), NSPS Subpart Db

Item 152.1:
This Condition applies to:

Emission Unit: U00015
Process: K22

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Item 152.1:
This Condition applies to Emission Unit: U-00015

Item 152.2.3: Units that burn only oil that contains no more than 0.3 weight percent sulfur or liquid or gaseous fuels with potential sulfur dioxide emission rates of 140 ng/J (0.32 lb/MMBtu) heat input or less are not required to conduct PM emissions monitoring if they maintain fuel supplier certifications of the sulfur content of the fuels burned.

Condition 153: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 60.49b(d), NSPS Subpart Db

Item 153.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K22

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 153.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

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

Condition 154: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 60.49b(g), NSPS Subpart Db

Item 154.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 154.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For the three new gas turbine/HRSGs (ES 321BA/321BE, ES 321BB/321BF, ES321BC/321BG) and four new boilers (ES 321BJ, 321BK, 321BL, 321BM) subject to NOx standards, RED shall maintain records of the following information for

each steam generating unit operating day:

1) Calendar date.
2) The average hourly nitrogen oxides emission rates (expressed as NO2) (ng/J or lb/million Btu heat input) measured or predicted.
3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.
8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.
9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.
10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

To satisfy the requirements of subdivision 60.49b(i), for the applicable units subject to continuous monitoring requirements for NOx, RED shall submit quarterly reports containing the above listed information. This report may be combined and submitted along with the quarterly Part 227 excess emissions report.

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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

Condition 155: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 60.49b(h), NSPS Subpart Db

Item 155.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 155.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For RED's three new gas turbine/HRSGs (ES 321BA/321BE, ES 321BB/321BF, ES321BC/321BG) and four new boilers (ES 321BJ, 321BK, 321BL, 321BM) quarterly reports shall be submitted in accordance with the requirements of Subdivision 60.49b(h). RED shall submit quarterly excess emission reports for opacity and oxides of nitrogen (NOx) for any reporting period during which there are excess emissions from the affected facility. This report may be combined and submitted along with the quarterly Part 227 excess emissions reports.

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

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

Condition 156: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7495(a), Subpart DDDDD

Item 156.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23 Emission Source: 321BJ

Emission Unit: U-00015
Process: K23 Emission Source: 321BK

Emission Unit: U-00015
Process: K24 Emission Source: 321BJ

Emission Unit: U-00015
Process: K24 Emission Source: 321BK

Emission Unit: U-00015
Process: K24 Emission Source: 321BL

Emission Unit: U-00015
Process: K24 Emission Source: 321BM

Item 156.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a new or reconstructed boiler or process heater must comply with subpart DDDDD by January 31, 2013 or upon startup of the boiler or process heater, whichever is later.

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 157: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7495(b), Subpart DDDDD

Item 157.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 157.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Facilities that are major sources of hazardous air pollutants (HAPs) that have existing industrial, commercial or institutional boilers must comply with 40

CFR 63 Subpart DDDDD by January 31, 2016, except as provided in 40 CFR 63.6(i)(4)(i)('A') elsewhere in this permit.

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

Condition 158: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 158.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 158.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Boilers using a continuous oxygen trim system, boilers with a heat input capacity less than or equal to 5 million Btu per hour firing gas 1, gas 2 (other), and light liquid, and boilers that are subject to limited use requirements must conduct a 5-year tune-up as specified in 40 CFR 63.7540(a)(12) and must be conducted no more than 61 months after the previous tune-up. New and reconstructed boilers must conduct the first 5-year tune-up no more than 61 months after the initial startup of the affected source.

Monitoring Frequency: Once every five years
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 159: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 159.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 159.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

An existing or new boiler or process heater subject to emission limits in Tables 1 or 2 or 11 through 13 to subpart DDDDD must meet the following requirements during shutdown.

The owner or operator must operate all CMS during shutdown.

While firing coal/solid fossil fuel, biomass/bio-based solids, heavy liquid fuel, or gas 2 (other) gases during shutdown, the owner or operator must vent emissions to the main stack(s) and operate all applicable control devices, except limestone injection in FBC boilers, dry scrubber, fabric filter, SNCR, and SCR.

The owner or operator must comply with all applicable emissions limits at all times except for startup or shutdown periods conforming with this work practice. He/she must collect monitoring data during periods of shutdown, as specified in 40 CFR 63.7535(b), keep records during periods of shutdown, and provide reports concerning activities and periods of shutdown, as specified in 40 CFR 63.7555.

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

Condition 160: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 160.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 160.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

An existing or new boiler or process heater subject to emission limits in Table 1 or 2 or 11 through 13 to subpart DDDDD must meet the following requirements during startup

The owner or operator must operate all CMS during startup.

For startup of a boiler or process heater, the owner or operator must use one or a combination of the following clean fuels: natural gas, synthetic natural gas, propane, distillate oil, syngas, ultra-low sulfur diesel, fuel oil soaked rags, kerosene, hydrogen, paper, cardboard, refinery gas, and liquefied petroleum gas.

If the owner or operator starts firing coal/solid fossil fuel, biomass/bio-based solids, heavy liquid fuel, or gas 2 (other) gases, he/she must vent emissions to the main stack(s) and engage all of the applicable control devices except limestone injection in fluidized bed combustion (FBC) boilers, dry scrubber, fabric filter, selective non-catalytic reduction (SNCR), and selective catalytic reduction (SCR). The owner or operator must start your limestone injection in FBC boilers, dry scrubber, fabric filter, SNCR, and SCR systems as expeditiously as possible. Startup ends when steam or heat is supplied for any purpose.

The owner or operator must comply with all applicable emission limits at all times except for startup or shutdown periods conforming with this work practice. He/she must collect monitoring data during periods of startup, as specified in 40 CFR 63.7535(b), keep records during periods of startup, and provide reports concerning activities and periods of startup, as specified in 40 CFR 63.7555.

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

Condition 161: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(2), Subpart DDDDD

Item 161.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 161.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The owner or operator of an industrial, commercial, or institutional boiler with an electrostatic precipitator with dry controls and that is not required to install a PM CPMS must maintain opacity to less than or equal to 10 percent opacity (daily block average)

This limit will be established according to Table 7 of subpart DDDDD and compliance will be demonstrated according to Table 8 of subpart DDDDD.

Parameter Monitored: OPACITY
Upper Permit Limit: 10 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR BLOCK AVERAGE (ARITHMETIC MEAN)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 162: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(2), Subpart DDDDD

Item 162.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 162.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The owner or operator of an industrial, commercial, or institutional boiler with an electrostatic precipitator with dry controls and that is not required to install a PM CPMS must maintain the 30-day rolling average total secondary electric power input of the electrostatic precipitator at or above the operating limits established during the performance test according to 40 CFR 63.7530(b).

This limit will be established according to Table 7 of subpart DDDDD and compliance will be demonstrated according to Table 8 of subpart DDDDD.

Parameter Monitored: SECONDARY SPECIFIC POWER
Upper Permit Limit: 1 volt-amperes per 1000 actual cubic feet per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 163: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(2), Subpart DDDDD

Item 163.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 163.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an industrial, commercial, or institutional boiler complying with a fuel analysis must maintain the fuel type or fuel mixture such that the applicable emission rates calculated according to 40 CFR 63.7530(c)(1), (2) and/or (3) is less than the applicable emission limits.

This limit will be established according to Table 7 of subpart DDDDD and compliance will be demonstrated according to Table 8 of subpart DDDDD.

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

Condition 164: Good air pollution control practices
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(3), Subpart DDDDD

Item 164.1:
This Condition applies to:

Emission Unit: U00015
Process: K12

Emission Unit: U00015
Process: K13

Emission Unit: U00015
Process: K14

Emission Unit: U00015
Process: K16

Item 164.1:
This Condition applies to Emission Unit: U-00015

Item 164.2.3:

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. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

Condition 165: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(c), Subpart DDDDD

Item 165.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K12 Emission Source: 321AI

Emission Unit: U-00015
Process: K13 Emission Source: 321AI

Item 165.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Limited-use boilers and process heaters must complete a tune-up every 5 years as specified in 40 CFR 63.7540. Limited-use boilers are not subject to the emission limits in 40 CFR Part 63, Subpart DDDDD, Tables 1 and 2 or 11 through 13, the annual tune-up, the energy assessment requirements in Table 3, or the operating limits in Table 4.

The owner or operator must keep fuel use records for the days the boiler or process heater was operating.

On an annual calendar year basis, the owner or operator shall state whether he or she has complied with this requirement.

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

Condition 166: Affirmative defense
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7501(a), Subpart DDDDD

Item 166.1:
This Condition applies to:

Emission Unit: U00015
Process: K14

Emission Unit: U00015
Process: K16

Item 166.1:
This Condition applies to Emission Unit: U-00015

Item 166.2.3:
To establish the affirmative defense in any action to enforce such a standard, the owner or operator must timely meet the reporting requirements in 40 CFR 63.7501(b), and must prove by a preponderance of evidence that:

(1) The violation:

(i) Was caused by a sudden, infrequent, and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner; and

(ii) Could not have been prevented through careful planning, proper design, or better operation and maintenance practices; and

(iii) Did not stem from any activity or event that could have been foreseen and avoided, or planned for; and

(iv) Was not part of a recurring pattern indicative of inadequate design, operation, or maintenance; and

(2) Repairs were made as expeditiously as possible when a violation occurred; and

(3) The frequency, amount, and duration of the violation (including any bypass) were minimized to the maximum extent practicable; and

(4) If the violation resulted from a bypass of control equipment or a process, then the bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and

(5) All possible steps were taken to minimize the impact of the violation on ambient air quality, the environment, and human health; and

(6) All emissions monitoring and control systems were kept in operation if at all possible, consistent with safety and good air pollution control practices; and

(7) All of the actions in response to the violation were documented by properly signed, contemporaneous operating logs; and

(8) At all times, the affected source was operated in a manner consistent with good practices for minimizing emissions; and

(9) A written root cause analysis has been prepared, the purpose of which is to determine, correct, and eliminate the primary causes of the malfunction and the violation resulting from the malfunction event at issue. The analysis shall also specify, using best monitoring methods and engineering judgment, the amount of any emissions that were the result of the malfunction.

Condition 167: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7501(b), Subpart DDDDD

Item 167.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 167.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator seeking to assert an affirmative defense shall submit a written report to the Administrator with all necessary supporting documentation, that it has met the requirements set forth in 40 CFR 63.7500. This affirmative defense report shall be included in the first periodic compliance, deviation report or excess emission report otherwise required after the initial occurrence of the violation of the relevant standard (which may be the end of any applicable averaging period). If such compliance, deviation report or excess emission report is due less than 45 days after the initial occurrence of the violation, the affirmative defense report may be included

in the second compliance, deviation report or excess emission report due after the initial occurrence of the violation of the relevant standard.

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

Condition 168: Demonstrating Compliance
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7505(c), Subpart DDDDD

Item 168.1:
This Condition applies to:

Emission Unit: U00015
Process: K14

Emission Unit: U00015
Process: K16

Item 168.1:
This Condition applies to Emission Unit: U-00015

Item 168.2.3:
The owner or operator of an industrial, commercial, or institutional boiler located at a major source of HAP must demonstrate compliance with all applicable emission limits using performance stack testing, fuel analysis, or continuous monitoring systems (CMS), including a continuous emission monitoring system (CEMS), continuous opacity monitoring system (COMS), continuous parameter monitoring system (CPMS), or particulate matter continuous parameter monitoring system (PM CPMS), where applicable. The owner or operator may demonstrate compliance with the applicable emission limit for hydrogen chloride (HCl), mercury, or total selected metals (TSM) using fuel analysis if the emission rate calculated according to 40 CFR 63.7530(c) is less than the applicable emission limit. (For gaseous fuels, the owner or operator may not use fuel analyses to comply with the TSM alternative standard or the HCl standard.) Otherwise, the owner or operator must demonstrate compliance for HCl, mercury, or TSM using performance testing, if subject to an applicable emission limit listed in Tables 1, 2, or 11 through 13 to subpart DDDDD.

Condition 169: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7505(d), Subpart DDDDD

Item 169.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 169.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Owners and operators demonstrating compliance with any applicable emission limit through performance testing and subsequent compliance with operating limits (including the use of CPMS), or with a CEMS, or COMS must develop a site-specific monitoring plan according to the requirements in paragraphs (1) through (4) for the use of any CEMS, COMS, or CPMS. This requirement also applies to the owner or operator if he/she petitions the EPA Administrator for alternative monitoring parameters under 40 CFR 63.8(f).

(1) For each CMS required in this section (including CEMS, COMS, or CPMS), the owner or operator must develop, and submit to the Administrator for approval upon request, a site-specific monitoring plan that addresses design, data collection, and the quality assurance and quality control elements outlined in 40 CFR 63.8(d) and the elements described in paragraphs (i) through (iii). The owner or operator must submit this site-specific monitoring plan, if requested, at least 60 days before his/her initial performance evaluation of the CMS. This requirement to develop and submit a site-specific monitoring plan does not apply to affected sources with existing CEMS or COMS operated according to the performance specifications under appendix B to part 60 and that meet the requirements of 40 CFR 63.7525. Using the process described in 40 CFR 63.8(f)(4), the owner or operator may request approval of alternative monitoring system quality assurance and quality control procedures in place of those specified in this paragraph and, if approved, include the alternatives in his/her site-specific monitoring plan.

(i) Installation of the CMS sampling probe or other interface at a measurement location relative to each

affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

(ii) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems; and

(iii) Performance evaluation procedures and acceptance criteria (e.g., calibrations, accuracy audits, analytical drift).

(2) In the site-specific monitoring plan, the owner or operator must also address paragraphs (i) through (iii).

(i) Ongoing operation and maintenance procedures in accordance with the general requirements of 40 CFR 63.8(c)(1)(ii), (c)(3), and (c)(4)(ii);

(ii) Ongoing data quality assurance procedures in accordance with the general requirements of 40 CFR 63.8(d); and

(iii) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of 40 CFR 63.10(c) (as applicable in Table 10 subpart DDDDD), (e)(1), and (e)(2)(i).

(3) The owner or operator must conduct a performance evaluation of each CMS in accordance with the site-specific monitoring plan.

(4) The owner or operator must operate and maintain the CMS in continuous operation according to the site-specific monitoring plan.

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

Condition 170: Initial compliance date for existing sources
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7510(e), Subpart DDDDD

Item 170.1:
This Condition applies to:

Emission Unit: U00015

Process: K14

Emission Unit: U00015
Process: K16

Item 170.1:
This Condition applies to Emission Unit: U-00015

Item 170.2.3:
The owner or operator of an existing affected sources (as defined in 40 CFR 63.7490) must complete the initial compliance demonstration, as specified in 40 CFR 63.7510(a) through (d), no later than 180 days after the compliance date that is specified for his/her source in 40 CFR 63.7495 and according to the applicable provisions in 40 CFR 63.7(a)(2) as cited in Table 10 to subpart DDDDD, except as specified in 40 CFR 63.7510(j). The owner or operator must complete an initial tune-up by following the procedures described in 40 CFR 63.7540(a)(10)(i) through (vi) no later than the compliance date specified in 40 CFR 63.7495, except as specified in 40 CFR 63.7510(j). The owner or operator must complete the one-time energy assessment specified in Table 3 to subpart DDDDD no later than the compliance date specified in 40 CFR 63.7495, except as specified in 40 CFR 63.7510(j).

Condition 171: Initial compliance date for new sources subject to work practices
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7510(g), Subpart DDDDD

Item 171.1:
This Condition applies to:

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Item 171.1:
This Condition applies to Emission Unit: U-00015

Item 171.2.3:

The owner or operator of a new or reconstructed affected sources (as defined in 40 CFR 63.7490) must demonstrate initial compliance with the applicable work practice standards in Table 3 to subpart DDDDD within the applicable annual, biennial, or 5-year schedule as specified in 40 CFR 63.7540(a) following the initial compliance date specified in 40 CFR 63.7495(a). Thereafter, the owner or operator is required to complete the applicable annual, biennial, or 5-year tune-up as specified in 40 CFR 63.7540(a).

Condition 172: Initial compliance for boilers not in operation
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7510(j), Subpart DDDDD

Item 172.1:
This Condition applies to:

Emission Unit: U00015
Process: K14

Emission Unit: U00015
Process: K16

Item 172.1:
This Condition applies to Emission Unit: U-00015

Item 172.2.3:
The owner or operator of an existing affected sources (as defined in 40 CFR 63.7490) that has not operated between the effective date of the rule and the compliance date that is specified for his/her source in 40 CFR 63.7495 must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to subpart DDDDD, as specified in 40 CFR 63.7510(a) through (d), no later than 180 days after the re-start of the affected source and according to the applicable provisions in 40 CFR 63.7(a)(2) as cited in Table 10 to subpart DDDDD. The owner or operator must complete an initial tune-up by following the procedures described in 40 CFR 63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to subpart DDDDD, no later than the compliance date specified in 40 CFR 63.7495.

Condition 173: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7520, Subpart DDDDD

Item 173.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 173.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

All performance tests must be conducted according to 40 CFR 63.7(c), (d), (f), and (h). The owner or operator must also develop a site-specific stack test plan according to the requirements in 40 CFR 63.7(c). The owner or operator shall conduct all performance tests under such conditions as the Administrator specifies to he/she based on the representative performance of each boiler or process heater for the period being tested. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests.

Each performance test shall be conducted according to the requirements in Table 5 of Subpart DDDDD.

The owner or operator must conduct each performance test under the specific conditions listed in Tables 5 and 7 to subpart DDDDD. The owner or operator must conduct performance tests at representative operating load conditions while burning the type of fuel or mixture of fuels that has the highest content of chlorine and mercury, and TSM if he/she is opting to comply with the TSM alternative standard and he/she must demonstrate initial compliance and establish his/her operating limits based on these performance tests. These requirements could result in the need to conduct more than one performance test. Following each performance test and until the next performance test, the owner or operator must comply with the operating limit for operating load conditions specified in Table 4 to subpart DDDDD.

The owner or operator must conduct a minimum of three separate test runs for each performance test required in 40 CFR 63.7520, as specified in 40 CFR 63.7(e)(3). Each test run must comply with the minimum applicable sampling times or volumes specified in Tables 1 and 2 or 11 through 13 to subpart DDDDD.

To determine compliance with the emission limits, the owner or operator must use the F-Factor methodology and equations in sections 12.2 and 12.3 of EPA Method 19 at 40 CFR part 60, appendix A–7 to convert the measured particulate matter (PM) concentrations, the measured HCl concentrations, the measured mercury concentrations, and the measured TSM concentrations that result from the performance test to pounds per million Btu heat input emission rates.

Except for a 30-day rolling average based on CEMS (or sorbent trap monitoring system) data, if measurement

results for any pollutant are reported as below the method detection level (e.g., laboratory analytical results for one or more sample components are below the method defined analytical detection level), the owner or operator must use the method detection level as the measured emissions level for that pollutant in calculating compliance. The measured result for a multiple component analysis (e.g., analytical values for multiple Method 29 fractions both for individual HAP metals and for total HAP metals) may include a combination of method detection level data and analytical data reported above the method detection level.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 174: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7521(a), Subpart DDDDD

Item 174.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 174.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For solid and liquid fuels, the owner or operator must conduct fuel analyses for chloride and mercury according to the procedures in 40 CFR 63.7521(b) through (e) and Table 6 to subpart DDDDD, as applicable. For solid fuels and liquid fuels, the owner or operator must also conduct fuel analyses for TSM if he/she is opting to comply with the TSM alternative standard. For gas 2 (other) fuels, the owner or operator must conduct fuel analyses for mercury according to the procedures in 40 CFR 63.7521(b) through (e) and Table 6 to subpart DDDDD, as applicable. (For gaseous fuels, the owner or operator may not use fuel analyses to comply with the TSM alternative standard or the HCl standard.) For purposes of complying with 40 CFR 63.7521, a fuel gas system that consists of multiple gaseous fuels collected and mixed with each other is

considered a single fuel type and sampling and analysis is only required on the combined fuel gas system that will feed the boiler or process heater. Sampling and analysis of the individual gaseous streams prior to combining is not required. The owner or operator is not required to conduct fuel analyses for fuels used for only startup, unit shutdown, and transient flame stability purposes. The owner or operator is required to conduct fuel analyses only for fuels and units that are subject to emission limits for mercury, HCl, or TSM in Tables 1 and 2 or 11 through 13 to subpart DDDDD. Gaseous and liquid fuels are exempt from the sampling requirements in 40 CFR 63.7521(c) and (d) and Table 6 to subpart DDDDD.

The owner or operator may obtain a fuel analysis from the fuel supplier in lieu of site-specific sampling provided that the fuel supplier uses the analytical methods required by Table 6 of subpart DDDDD.

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

Condition 175: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7525(a), Subpart DDDDD

Item 175.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 175.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For boilers or process heaters subject to a carbon monoxide emission limit in Table 1, 2, or 11 through 13 to Subpart DDDDD, the facility shall install, operate, and maintain an oxygen analyzer system, as defined in 40 CFR 63.7575, according to the procedures in paragraphs (a)(1) through (7) of 40 CFR 63.7525 by the compliance date specified in 40 CFR 63.7495. The oxygen level shall be monitored at the outlet of the boiler or process heater.

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

Condition 176: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7525(f), Subpart DDDDD

Item 176.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K16

Item 176.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a boiler or process heater that has an operating limit that requires the use of a pressure monitoring system must meet the requirements in 40 CFR 63.7525(d) and 40 CFR 63.7525(f)(1) through (6).

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

Condition 177: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7525(k), Subpart DDDDD

Item 177.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K12 Emission Source: 321AI

Emission Unit: U-00015
Process: K13 Emission Source: 321AI

Item 177.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each unit that meets the definition of limited-use

boiler or process heater, the owner or operator must keep fuel use records for the days the boiler or process heater operates.

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

Condition 178: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7530(a), Subpart DDDDD

Item 178.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 178.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must demonstrate initial compliance with each emission limit that applies to the facility by conducting initial performance tests and fuel analyses and establishing operating limits, as applicable, according to 40 CFR 63.7520, 40 CFR 63.7530(b) and (c), and Tables 5 and 7 to subpart DDDDD. The requirement to conduct a fuel analysis is not applicable for units that burn a single type of fuel, as specified by 40 CFR 63.7510(a)(2)(i). If applicable, he owner or operator must also install, operate, and maintain all applicable CMS (including CEMS, COMS, and CPMS) according to 40 CFR 63.7525.

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

Condition 179: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7530(b), Subpart DDDDD

Item 179.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 179.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
An owner or operator that demonstrates compliance through performance testing must establish each site-specific operating limit in Table 4 to subpart DDDDD that applies to the facility according to the requirements in 40 CFR 63.7520, Table 7 to subpart DDDDD, and 40 CFR 63.7530(b)(4), as applicable. The owner or operator must also conduct or obtain fuel analyses according to 40 CFR 63.7521 and establish maximum fuel pollutant input levels according to 40 CFR 63.7530(b)(1) through (3), as applicable, and as specified in 40 CFR 63.7510(a)(2). (Note that 40 CFR 63.7510(a)(2) exempts certain fuels from the fuel analysis requirements.) However, if the owner or operator switches fuel(s) and cannot show that the new fuel(s) does (do) not increase the chlorine, mercury, or TSM input into the unit through the results of fuel analysis, then he/she must repeat the performance test to demonstrate compliance while burning the new fuel(s).

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

Condition 180: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7530(c), Subpart DDDDD

Item 180.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 180.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
An owner or operator that elects to demonstrate compliance with an applicable emission limit through fuel analysis must conduct or obtain fuel analyses according to 40 CFR 63.7521 and follow the procedures in 40 CFR 63.7530(c)(1) through (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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 181: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7530(e), Subpart DDDDD

Item 181.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K16

Item 181.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to subpart DDDDD and is an accurate depiction of the facility at the time of the assessment.

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

Condition 182: Compliance Certification

Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7530(h), Subpart DDDDD

Item 182.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 182.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a unit subject to emission limits in Tables 1 or 2 or 11 through 13 to subpart DDDDD must meet the work practice standard according to Table 3 of subpart DDDDD. During startup and shutdown, the owner or operator must only follow the work practice standards according to item 5 of Table 3 of subpart DDDDD.

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

Condition 183: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7535, Subpart DDDDD

Item 183.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 183.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) You must monitor and collect data according to this section and the site specific monitoring plan required by § 63.7505(d).

(b) You must operate the monitoring system and collect data at all required intervals at all times that the affected source is operating, except for periods of monitoring system malfunctions or out of control periods (see § 63.8(c)(7) of this part), and required monitoring system quality assurance or control activities, including, as applicable, calibration checks and required zero and span adjustments. A monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system failures that are caused in part by poor maintenance or careless operation are not malfunctions. You are required to effect monitoring system repairs in response to monitoring system malfunctions or out-of-control periods and to return the monitoring system to operation as expeditiously as practicable.

(c) You may not use data recorded during monitoring system malfunctions or out-of-control periods, repairs associated with monitoring system malfunctions or out-of-control periods, or required monitoring system quality assurance or control activities in data averages and calculations used to report emissions or operating levels. You must use all the data collected during all other periods in assessing the operation of the control device and associated control system.

(d) Except for periods of monitoring system malfunctions or out-of-control periods, repairs associated with monitoring system malfunctions or out-of-control periods, and required monitoring system quality assurance or quality control activities including, as applicable, calibration checks and required zero and span adjustments, failure to collect required data is a deviation of the monitoring requirements.

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

Condition 184: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7540(a), Subpart DDDDD

Item 184.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 184.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an industrial, commercial, and institutional boiler or process heater must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to subpart DDDDD, the work practice standards in Table 3 to subpart DDDDD, and the operating limits in Table 4 to subpart DDDDD that applies to you according to the methods specified in Table 8 to subpart DDDDD and 40 CFR 63.7540(a)(1) through (19).

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

Condition 185: New source notification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7545(c), Subpart DDDDD

Item 185.1:
This Condition applies to:

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Item 185.1:
This Condition applies to Emission Unit: U-00015

Item 185.2.3:
As specified in 40 CFR 63.9(b)(4) and (b)(5), owners and operators that startup a new or reconstructed affected source on or after January 31, 2013 must submit an Initial

Notification not later than 15 days after the actual date of startup of the affected source.

Condition 186: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7545(d), Subpart DDDDD

Item 186.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 186.2:
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 days before the performance test is scheduled to begin.

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

Condition 187: Notification of compliance status
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7545(e), Subpart DDDDD

Item 187.1:
This Condition applies to:

Emission Unit: U00015
Process: K14

Emission Unit: U00015

Process: K16

Item 187.1:
This Condition applies to Emission Unit: U-00015

Item 187.2.3:
Owners and operators that are required to conduct an initial compliance demonstration as specified in 40 CFR 63.7530 must submit a Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii). For the initial compliance demonstration for each affected source, the owner or operator must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for the affected source according to 40 CFR 63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in 40 CFR 63.7545(e)(1) through (8), as applicable.

Condition 188: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7550(b), Subpart DDDDD

Item 188.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K13 Emission Source: 321AI

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 188.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Unless the EPA Administrator has approved a different schedule for submission of reports under 40 CFR 63.10(a), the owner or operator must submit each report, according to 40 CFR 63.7550(h), by the date in Table 9 to subpart DDDDD and according to the requirements in (1) through (4). For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to 40 CFR 63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or operating limits, the owner or operator may submit only an annual, biennial, or 5- year compliance report, as applicable, as specified in paragraphs (1) through (4), instead of a semiannual

compliance report.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for the owner or operators source in 40 CFR 63.7495.

(2) The first compliance report must be post marked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495. The first annual, biennial, or 5-year compliance report must be post marked or submitted no later than January 31.

(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. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent compliance report must be post marked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be post marked or submitted no later than January 31.

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

Condition 189: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7550(c), Subpart DDDDD

Item 189.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015

Process: K16

Item 189.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
All compliance reports for 40 CFR 63 Subpart DDDDD must contain the information required in 40 CFR 63.7550(c)(1) through (5).

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

Condition 190: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7550(d), Subpart DDDDD

Item 190.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 190.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each deviation from an emission limit or operating limit in this subpart that occurs at an individual boiler or process heater where the owner or operator is not using a CMS to comply with that emission limit or operating limit, the compliance report must additionally contain the information required in following paragraphs (1) through (3).

(1) A description of the deviation and which emission limit or operating limit from which the owner or operator deviated.

(2) Information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective action taken.

(3) If the deviation occurred during an annual performance

test, provide the date the annual performance test was completed.

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

Condition 191: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7550(e), Subpart DDDDD

Item 191.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 191.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each deviation from an emission limit, operating limit, and monitoring requirement in subpart DDDDD occurring at an affected source where the owner or operator is using a CMS to comply with that emission limit or operating limit, he/she must include the information required in 40 CFR 63.7550(e)(1) through (9). This includes any deviations from the site-specific monitoring plan as required in 40 CFR 63.7505(d).

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

Condition 192: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7550(h), Subpart DDDDD

Item 192.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 192.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Facility must submit the reports according to the procedures specified in paragraphs (1) through (3).

(1) Within 60 days after the date of completing each performance test (defined in §63.2) as required by this subpart facility must submit the results of the performance tests, including any associated fuel analyses, required by this subpart and the compliance reports required in §63.7550(b) to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. Owners or operators who claim that some of the information being submitted for performance tests is confidential business information (CBI) must submit a complete ERT file including information claimed to be CBI on a compact disk or other commonly used electronic storage media (including, but not limited to, flash drives) to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT file with the CBI omitted must be submitted to the EPA via CDX as described earlier in this paragraph. At the discretion of the Administrator, facility must also submit these reports, including the confidential business information, to the Administrator in the format specified by the Administrator. For any performance test conducted using test methods that are not listed on the ERT Web site, the owner or operator shall submit the results of the performance test in paper submissions to the Administrator.

(2) Within 60 days after the date of completing each CEMS performance evaluation test (defined in 63.2) facility must submit the relative accuracy test audit (RATA) data to the EPA's Central Data Exchange by using CEDRI as mentioned in paragraph (1). Only RATA pollutants that can be documented with the ERT (as listed on the ERT Web site)

are subject to this requirement. For any performance evaluations with no corresponding RATA pollutants listed on the ERT Web site, the owner or operator shall submit the results of the performance evaluation in paper submissions to the Administrator.

(3) Facility must submit all reports required by Table 9 of this subpart electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due facility must submit the report to the Administrator at the appropriate address listed in §63.13. At the discretion of the Administrator, facility must also submit these reports, to the Administrator in the format specified by the Administrator.

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

Condition 193: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(a), Subpart DDDDD

Item 193.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 193.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must keep records according to paragraphs (1) and (2).

(1) A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that was submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other

compliance demonstrations and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

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

Condition 194: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(b), Subpart DDDDD

Item 194.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 194.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each CEMS, COMS, and continuous monitoring system the owner or operator must keep records according to paragraphs (1) through (5).

(1) Records described in 40 CFR 63.10(b)(2)(vii) through (xi).

(2) Monitoring data for continuous opacity monitoring system during a performance evaluation as required in 40 CFR 63.6(h)(7)(i) and (ii).

(3) Previous (i.e., superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d)(3).

(4) Request for alternatives to relative accuracy test for CEMS as required in 40 CFR 63.8(f)(6)(i).

(5) Records of the date and time that each deviation started and stopped.

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

Condition 195: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(c), Subpart DDDDD

Item 195.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 195.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must keep the records required in Table 8 to subpart DDDDD including records of all monitoring data and calculated averages for applicable operating limits, such as opacity, pressure drop, pH, and operating load, to show continuous compliance with each emission limit and operating limit that apply.

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

Condition 196: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(d), Subpart DDDDD

Item 196.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 196.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each boiler or process heater subject to an emission

limit in Table 1, 2 or 11 through 13 to subpart DDDDD, the owner or operator must also keep the applicable records in 40 CFR 63.7555(d)(1) through (11).

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

Condition 197: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(i), Subpart DDDDD

Item 197.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 197.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

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

Condition 198: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(j), Subpart DDDDD

Item 198.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 198.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

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

Condition 199: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7560, Subpart DDDDD

Item 199.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K16

Item 199.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1).

As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

The owner or operator must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The owner or operator can keep the records off site for the remaining 3 years.

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

Condition 200: General Provisions
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7565, Subpart DDDDD

Item 200.1:
This Condition applies to:

Emission Unit: U00015
Process: K14

Emission Unit: U00015
Process: K16

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Condition 201: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40 CFR Part 64

Item 201.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 201.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
For the purposes of demonstrating compliance with the 6 NYCRR Part 227-1.2(a)(4) particulate limits of 0.26 lb/mmbtu for Boiler 42 (ES 321AH/ EP 00003), Compliance Assurance Monitoring Rule (CAM) requirements apply in accordance with the CAM Plan, dated September 15, 2007 (or more recent plan approved by the Department). Opacity shall be measured by the continuous opacity monitoring system
(COMS) at the outlet of the Boiler 42 ESP (Control Device 32104). The COMS shall be operated, calibrated and maintained in accordance with QA/QC requirements in 40 CFR Part 60 Appendix B. This breeching COM data shall be used an indicator of compliance with the particulate limit as demonstrated by the most recent stack test completed in August 2007. Based on these test results, an excursion is defined as an opacity value (3-hour block average of 6 minute data averages) greater than 14.0%, except during

periods of startup, shutdown, and malfunction.

Response to Excursions
In the event that an opacity excursion occurs, the control equipment and breeching COMS shall be inspected and necessary repairs initiated, as appropriate. The boiler combustion parameters and ESP operating parameters will be evaluated and the following corrective actions will be taken:

1. Reduce boiler load as possible to achieve compliance with one-hour opacity average.
2. Make on-line repairs to units as necessary and re-evaluate system functionality.
3. In the event that full system functionality cannot be restored, the unit will be shut down and repaired as soon as plant loading conditions permit.

If continued accumulation of excursions exceeds 5 percent of breeching opacity COM data (averaged over a 3-hour block period, excluding startup and shutdown periods) recorded in a calendar quarter, a Quality Improvement Plan (QIP) will be implemented as set forth in the CAM Plan and 40 CFR 64.8. As an initial step of the QIP, additional

stack testing shall be performed within the time specified by the Department to demonstrate compliance with the particulate standard and/or establish a basis for adjustment of the breeching opacity limit, as necessary.

Regardless of whether a QIP is implemented, particulate emissions testing to re-establish the compliance indicator shall be conducted at least once during the term of the permit (i.e. prior to application for Title V Permit Renewal). A test notification and protocol shall be submitted 30 days prior to a planned test date. A test report shall be submitted to the Department within 60 days of completing testing along with the proposed compliance indicator(s).

Record keeping
The operator shall maintain records in accordance with 40 CFR 64.9(b). All data required for compliance with this condition shall be kept on site and made available to the Department upon request.

Reporting
Pursuant to 40 CFR 64.9(a), reports of excursions, COM downtime incidents, and implementation of a QIP shall be included in the Title V Semi-Annual Monitoring Deviation Reports. For each excursion or COM downtime incident,

these reports shall include the measured opacity, duration, cause (including unknown cause, if applicable), and the
corrective actions taken. If necessary, the reports shall also include a description of the actions takento implement a QIP during the reporting period as specified in 40 CFR 64.8. Upon completion of a QIP, the operator shall include in the next report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions occuring.

Manufacturer Name/Model Number: PHOENIX INSTRUMENTS OPAC 20/20
Parameter Monitored: OPACITY
Upper Permit Limit: 14.0 percent
Reference Test Method: METHOD 9
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 202: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40 CFR Part 64

Item 202.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 202.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
For the purposes of demonstrating compliance with the 6 NYCRR Part 227-1.2(a)(4) particulate limit of 0.24 lb/mmbtu for Boiler 43 (ES 321AI/ EP 00004), Compliance Assurance Monitoring Rule (CAM) requirements apply in accordance with the CAM Plan, dated September 15, 2007 (or more recent plan approved by the Department). Opacity shall be measured by the continuous opacity monitoring system
(COMS) at the outlet of the Boiler 43 ESP (Control Device 32101). The COMS shall be operated, calibrated and

maintained in accordance with QA/QC requirements in 40 CFR Part 60 Appendix B. This breeching COM data shall be used an indicator of compliance with the particulate limit as demonstrated by the most recent stack test completed in August 2007. Based on these test results, an excursion is defined as an opacity value (3-hour block average of 6 minute data averages) greater than 13.5%, except during periods of startup, shutdown, and malfunction.

Response to Excursions
In the event that an opacity excursion occurs, the control equipment and breeching COMS shall be inspected and necessary repairs initiated, as appropriate. The boiler combustion parameters and ESP operating parameters will be evaluated and the following corrective actions will be taken:

1. Reduce boiler load as possible to achieve compliance with one-hour opacity average.
2. Make on-line repairs to units as necessary and re-evaluate system functionality.
3. In the event that full system functionality cannot be restored, the unit will be shut down and repaired as soon as plant loading conditions permit.

If continued accumulation of excursions exceeds 5 percent of breeching opacity COM data (averaged over a 3-hour block period, excluding startup and shutdown periods) recorded in a calendar quarter, a Quality Improvement Plan (QIP) will be implemented as set forth in the CAM Plan and 40 CFR 64.8. As an initial step of the QIP, additional

stack testing shall be performed within the time specified by the Department to demonstrate compliance with the particulate standard and/or establish a basis for adjustment of the breeching opacity limit, as necessary.

Regardless of whether a QIP is implemented, particulate emissions testing to re-establish the compliance indicator shall be conducted at least once during the term of the permit (i.e. prior to application for Title V Permit Renewal). A test notification and protocol shall be submitted 30 days prior to a planned test date. A test report shall be submitted to the Department within 60 days of completing testing along with the proposed compliance indicator(s).

Record keeping
The operator shall maintain records in accordance with 40 CFR 64.9(b). All data required for compliance with this condition shall be kept on site and made available to the

Department upon request.

Reporting
Pursuant to 40 CFR 64.9(a), reports of excursions, COM downtime incidents, and implementation of a QIP shall be included in the Title V Semi-Annual Monitoring Deviation Reports. For each excursion or COM downtime incident, these reports shall include the measured opacity, duration, cause (including unknown cause, if applicable), and the
corrective actions taken. If necessary, the reports shall also include a description of the actions takento implement a QIP during the reporting period as specified in 40 CFR 64.8. Upon completion of a QIP, the operator shall include in the next report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions occuring.

Manufacturer Name/Model Number: PHOENIX INSTRUMENTS OPAC 20/20
Parameter Monitored: OPACITY
Upper Permit Limit: 13.5 percent
Reference Test Method: METHOD 9
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 203: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40 CFR Part 64

Item 203.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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

Item 203.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
For the purpose of demonstrating compliance with the particulate limit of 0.035 lb/mmbtu for Boiler 44 (ES 321AJ/ EP 00004) established under 40 CFR 52.21 Prevention

of Significant Deterioration (PSD), Compliance Assurance Monitoring Rule (CAM) requirements apply in accordance with the CAM Plan, effective September 2009 (or more recent plan approved by the Department). Opacity shall be measured by the continuous opacity monitoring system

(COMS) at the outlet of the Boiler 44 ESP (Control Device 32103). The COMS shall be operated, calibrated and maintained in accordance with QA/QC requirements in 40 CFR Part 60 Appendix B. This breeching COM data shall be used an indicator of compliance with the particulate limit as demonstrated by the most recent stack test completed in November 2009. Based on these test results, an excursion is defined as an opacity value (3-hour block average of 6 minute data averages) greater than 9.0%, except during periods of startup, shutdown, and malfunction.

Response to Excursions
In the event that an opacity excursion occurs, the control equipment and breeching COMS shall be inspected and necessary repairs initiated, as appropriate. The boiler combustion parameters and ESP operating parameters will be evaluated and the following corrective actions will be taken:

1. Reduce boiler load as possible to achieve compliance with one-hour opacity average.
2. Make on-line repairs to units as necessary and re-evaluate system functionality.
3. In the event that full system functionality cannot be restored, the unit will be shut down and repaired as soon as plant loading conditions permit.

If continued accumulation of excursions exceeds 5 percent of breeching opacity COM data (averaged over a 3-hour block period, excluding startup and shutdown periods) recorded in a calendar quarter, a Quality Improvement Plan (QIP) will be implemented as set forth in the CAM Plan and 40 CFR 64.8. As an initial step of the QIP, additional

stack testing shall be performed within the time specified by the Department to demonstrate compliance with the particulate standard and/or establish a basis for adjustment of the breeching opacity limit, as necessary.

Regardless of whether a QIP is implemented, particulate emissions testing to re-establish the compliance indicator shall be conducted at least once during the term of the permit (i.e. prior to application for Title V Permit Renewal). A test notification and protocol shall be submitted 30 days prior to a planned test date. A test

report shall be submitted to the Department within 60 days of completing testing along with the proposed compliance indicator(s).

Record keeping
The operator shall maintain records in accordance with 40 CFR 64.9(b). All data required for compliance with this condition shall be kept on site and made available to the Department upon request.

Reporting
Pursuant to 40 CFR 64.9(a), reports of excursions, COM downtime incidents, and implementation of a QIP shall be included in the Title V Semi-Annual Monitoring Deviation Reports. For each excursion or COM downtime incident, these reports shall include the measured opacity, duration, cause (including unknown cause, if applicable), and the
corrective actions taken. If necessary, the reports shall also include a description of the actions takento implement a QIP during the reporting period as specified in 40 CFR 64.8. Upon completion of a QIP, the operator shall include in the next report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions occuring.

Manufacturer Name/Model Number: PHOENIX INSTRUMENTS OPAC 20/20
Parameter Monitored: OPACITY
Upper Permit Limit: 9.0 percent
Reference Test Method: METHOD 9
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 204: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 204.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K07

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

Item 204.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Particulate emissions from each of the Package Boilers 1, 2, 3 and 4 (ES 031AC, 031AD, 031AE, 031AF) shall not exceed 0.10 lb/mmbtu, based on the combined heat input of the four boilers ducted to a common stack (EP 00001). In order to ensure compliance with the particulate limit, annual tune-ups shall be performed on each boiler. Records of maintenance and tune-ups shall be kept on site and made available to the Department upon request.

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

Condition 205: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-2.5 (c)

Item 205.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K07

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

Item 205.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
In order to comply with the Subpart 227-2 NOx RACT requirements, the Package Boilers 1, 2, 3 and 4 (ES 031AC, 031AD, 031AE, 031AF) are each limited to 200,000 gallons of residual oil use per year, on a twelve month rolling basis. The amount of fuel burned in these units must be recorded within +/-5% accuracy and shall be incorporated into a 12-month rolling total. Within 30 days of the end of each calendar year, RED shall submit a report to the Department showing the 12-month rolling total fuel oil consumption for each of the four package boilers during each month of that previous year.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: NUMBER 6 OIL
Upper Permit Limit: 200000 gallons per year
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 206: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-2.5 (c)

Item 206.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K07

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

Item 206.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
In order to comply with the Subpart 227-2 NOx RACT requirements, NOx emissions from each of the Package Boilers 1, 2, 3 and 4 (ES 031AC, 031AD, 031AE, 031AF) shall not exceed 0.57 lb/mmbtu based on a one hour average. This source-specific limit is based on the most recent RACT analysis (dated December 2011, revised January 13, 2015), conducted in accordance with the provisions of Section 225-2.5, which demonstrated that based on the limited remaining life of these boilers, compliance with the applicable presumptive RACT emission limit in Section 227-2.4 is not economically feasible. These package boilers are expected to operate until January 2018. No later than 6 months from the expected shut down date, RED must notify the Department of the scheduled shut down of these boilers, or submit a NOx RACT compliance plan within 90 days.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.57 pounds per million Btus
Reference Test Method: Method 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 207: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 207.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K12

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

Item 207.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Particulate emissions from Boilers 42 and 43 (ES 321AH & 321AI) shall not exceed 0.10 lb/mmbtu while burning No.6 fuel oil. A stack test to demonstrate compliance with this limit shall be required at the Department's discretion.

Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 208: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (a) (2)

Item 208.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K13

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

Item 208.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
In order to comply with Subpart Part 227-2 NOx RACT requirements, NOx emissions from each Boiler 42 (ES 321AH) and Boiler 43 (ES 321AI) are limited to 0.6 lb/mmBtu.

Compliance with these limits will be demonstrated through the use of a continuous monitoring system according to the requirements of Part 227-2.6. Emission limits are based on a 24 hour average during the ozone season and a 30-day rolling average during the non-ozone season.

Manufacturer Name/Model Number: TECO 42
Upper Permit Limit: 0.6 pounds per million Btus
Reference Test Method: Method 7E
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 209: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (4)

Item 209.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K13 Emission Source: 321AH

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

Item 209.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
In order to maintain compliance with 6 NYCRR Part 227-1.2(a)(4), particulate emissions from Boiler 42 (ES 321AH) are limited to 0.25 lb/mmBtu, based on a maximum

heat input capacity of 500 mmBtu/hr. To demonstrate compliance with the particulate limit, a stack test shall be conducted once during the term of the permit. A stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202.

Upper Permit Limit: 0.25 pounds per million Btus
Reference Test Method: Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 210: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (4)

Item 210.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K13 Emission Source: 321AI

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

Item 210.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
In order to maintain compliance with 6 NYCRR Part 227-1.2(a)(4), particulate emissions from Boiler 43 (ES 321AI) are limited to 0.24 lb/mmBtu, based on a maximum heat input capacity of 640 mmBtu/hr. To demonstrate compliance with the particulate limit, a stack test shall be conducted once during the term of the permit. A stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202.

Upper Permit Limit: 0.24 pounds per million Btus
Reference Test Method: Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 211: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR Subpart 231-10

Item 211.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K13 Emission Source: 321AI

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

Item 211.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to establish Emission Reduction Credits (ERCs), as defined in 6 NYCRR Part 231, the use of coal-fired Boiler #43 (ES 321AI/ EP 00004) under Scenario 2 will be limited to its 10% annual capacity factor, or 5.6 x 10^5 mmbtu/yr. This 10% annual capacity factor also qualifies ES 321AI/EP 00004 as a limited-use boiler as defined in 40 CFR 63 Subpart DDDDD Boiler MACT.

Records of the hours of operation and fuel use shall be kept in order to calculate the total heat input on a monthly basis. Each month, the twelve month rolling total heat input for Boiler 43 must be calculated to demonstrate compliance with the 10% annual capacity factor of 5.6 x 10^5 mmbtu/yr. These records shall be kept on site and made available to the Department upon request.

Parameter Monitored: HOURS OF OPERATION
Upper Permit Limit: 560000 million British thermal units per year
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 212: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 212.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K14

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 212.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
In order to demonstrate compliance with 40 CFR 52.21 Prevention of Significant Deterioration (PSD), carbon monoxide (CO) emissions from the combustion of No.2 fuel oil in Boiler 44 (ES 321AJ) shall not exceed the CO significance threshold on a 12-month rolling basis when calculated using the AP-42 factor of 5 lbs CO/1000 gal No.2 fuel oil and the number of gallons of fuel burned each month.

Monitoring Frequency: MONTHLY
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 213: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 213.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K14

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 213.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The owner or operator of an existing industrial, commercial, or institutional light liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour

or greater located at a major source of HAP emissions must limit the concentration of carbon monoxide emissions.

The concentration limit for carbon monoxide is 130 ppmvd or less corrected to 3% oxygen based on the average of three runs. Each run must be for at least one hour.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 130 parts per million by volume
(dry, corrected to 3% oxygen)
Reference Test Method: see table 5.5 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 214: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 214.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K14

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

Item 214.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional light liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the concentration of filterable particulate matter emissions.

The concentration limit for filterable particulate matter is 0.0079 lb/mmBtu of heat input or less based on the average of three runs. Each run must collect a minimum of three dry standard cubic meters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.0079 pounds per million Btus
Reference Test Method: see table 5.1 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 215: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 215.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K14

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 215.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the concentration of hydrogen chloride emissions.

The concentration limit for hydrogen chloride is 0.0011 lb/mmBtu of heat input or less based on the average of three runs. If using method 26A, each run must collect a minimum of two dry standard cubic meters and if using method 26 each run must collect a minimum of 240 liters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest

emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.0011 pounds per million Btus
Reference Test Method: see table 5.3 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 216: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 216.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K14

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 216.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the concentration of mercury emissions.

The concentration limit for mercury is 0.0000020 (2.0E-06) lb/mmBtu of heat input or less based on the average of three runs. If using method 29, each run must collect a minimum of three dry standard cubic meters, if using method 30A or B, each run must collect a minimum sample volume as specified in the method, and if using ASTM D6784 each run must collect a minimum of two dry standard cubic meters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.0000020 pounds per million Btus
Reference Test Method: see table 5.4 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 217: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7515(e), Subpart DDDDD

Item 217.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K14

Item 217.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
An owner or operator demonstrating compliance with the mercury, HCl, or TSM based on fuel analysis must conduct a monthly fuel analysis according to 40 CFR 63.7521 for each type of fuel burned that is subject to an emission limit in Tables 1, 2, or 11 through 13 to subpart DDDDD. The owner or operator may comply with this monthly requirement by completing the fuel analysis any time within the calendar month as long as the analysis is separated from the previous analysis by at least 14 calendar days. If the owner or operator burns a new type of fuel, he/she must conduct a fuel analysis before burning the new type of fuel in his/her boiler or process heater. The owner or operator must still meet all applicable continuous compliance requirements in 40 CFR 63.7540. If each of 12 consecutive monthly fuel analyses demonstrates 75 percent or less of the compliance level, the owner or operator may decrease the fuel analysis frequency to quarterly for that fuel. If any quarterly sample exceeds 75 percent of the compliance level or the owner or operator begins burning a new type of fuel, he/she must return to monthly monitoring for that fuel, until 12 months of fuel analyses are again less than 75 percent of the compliance level.

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

Condition 218: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7515(h), Subpart DDDDD

Item 218.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K14

Item 218.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an affected boiler or process heater that is designed to burn light liquid subcategory and combusts ultra low sulfur liquid fuel does not need to conduct further performance tests if the pollutants measured during the initial compliance performance tests meet the emission limits in Tables 1 or 2 of subpart DDDDD providing that he/she demonstrates ongoing compliance with the emissions limits by monitoring and recording the type of fuel combusted on a monthly basis. If the owner or operator intends to use a fuel other than ultra low sulfur liquid fuel, natural gas, refinery gas, or other gas 1 fuel, he/she must conduct new performance tests within 60 days of burning the new fuel type.

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

Condition 219: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 219.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K16

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 219.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The owner or operator of an existing industrial,

commercial, or institutional pulverized coal-fired boiler not using a CEM with heat input capacity of 10 million Btu per hour or greater, burns no more than 10% biomass on an annual heat input basis, and is located at a major source of HAP emissions must limit the concentration of carbon monoxide emissions.

The concentration limit for carbon monoxide is 130 ppmvd or less corrected to 3% oxygen based on the average of three runs. Each run must be for at least one hour.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 130 parts per million by volume
(dry, corrected to 3% oxygen)
Reference Test Method: see table 5.5 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 220: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 220.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K16

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

Item 220.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional pulverized coal-fired boiler with heat input capacity of 10 million Btu per hour or greater, burns no more than 10% biomass on an annual heat input basis, and is located at a major source of HAP emissions must limit the concentration of filterable particulate matter emissions.

The concentration limit for filterable particulate matter is 0.040 lb/mmBtu of heat input or less based on the average of three runs. Each run must collect a minimum of two dry standard cubic meters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be

conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.040 pounds per million Btus
Reference Test Method: see table 5.1 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 221: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 221.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K16

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 221.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The owner or operator of an existing industrial, commercial, or institutional pulverized coal-fired boiler with heat input capacity of 10 million Btu per hour or greater, burns no more than 10% biomass on an annual heat input basis, and is located at a major source of HAP emissions must limit the concentration of hydrogen chloride emissions.

The concentration limit for hydrogen chloride is 0.022 lb/mmBtu of heat input or less based on the average of three runs. If using method 26A, each run must collect a minimum of one dry standard cubic meter and if using

method 26 each run must collect a minimum of 120 liters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.022 pounds per million Btus
Reference Test Method: see table 5.3 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 222: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 222.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K16

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 222.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional pulverized coal-fired boiler with heat input capacity of 10 million Btu per hour or greater, burns no more than 10% biomass on an annual heat input basis, and is located at a major source of HAP emissions must limit the concentration of mercury emissions.

The concentration limit for mercury is 0.0000057 (5.7E-06) lb/mmBtu of heat input or less based on the average of three runs. If using method 29, each run must collect a minimum of three dry standard cubic meters, if using method 30A or B, each run must collect a minimum sample volume as specified in the method, and if using ASTM D6784 each run must collect a minimum of three dry standard cubic meters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according

to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.0000057 pounds per million Btus
Reference Test Method: see table 5.4 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 223: Compliance Certification
Effective between the dates of 01/31/2017 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 223.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K16 Emission Source: 321AJ

Item 223.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

An existing boiler or process heater located at a major source of HAP emissions, not including limited use units, must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in a through h below, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the on-site portion of the evaluation for items a. to e. appropriate for the maximum on-site technical hours listed in 40 CFR 63.7575:

a. A visual inspection of the boiler or process heater system.

b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and

unusual operating constraints.

c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.

d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.

e. A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.

f. A list of cost-effective energy conservation measures that are within the facility's control.

g. A list of the energy savings potential of the energy conservation measures identified.

h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

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

Condition 224: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 60.46b(f), NSPS Subpart Db

Item 224.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K22

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

Item 224.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To determine compliance with the emission limit for

nitrogen oxides required by §60.44b(a)(4) for duct burners used in combined cycle systems, the owner or operator of an affected facility may elect to use the CEMS for measuring NOx and O2 and meet the requirements of §60.48b. The NOx emission rate measured at the outlet from the steam generating unit shall constitute the NOx emission rate from the duct burner of the combined cycle system.

In accordance with subdivision 60.49b(b) of this subpart, RED shall submit to the Administrator the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in appendix B.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 225: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 225.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

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

Item 225.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.10 pounds per million Btus
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 226: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 226.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 226.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Boilers using a continuous oxygen trim system, boilers with a heat input capacity less than or equal to 5 million Btu per hour firing gas 1, gas 2 (other), and light liquid, and boilers that are subject to limited use requirements must conduct a 5-year tune-up as specified in 40 CFR 63.7540(a)(12) and must be conducted no more than 61 months after the previous tune-up. New and reconstructed boilers must conduct the first 5-year tune-up no more than 61 months after the initial startup of the affected source.

Monitoring Frequency: Once every five years
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 227: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 227.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Item 227.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

An existing or new boiler or process heater subject to emission limits in Tables 1 or 2 or 11 through 13 to subpart DDDDD must meet the following requirements during shutdown.

The owner or operator must operate all CMS during shutdown.

While firing coal/solid fossil fuel, biomass/bio-based solids, heavy liquid fuel, or gas 2 (other) gases during shutdown, the owner or operator must vent emissions to the main stack(s) and operate all applicable control devices, except limestone injection in FBC boilers, dry scrubber, fabric filter, SNCR, and SCR.

The owner or operator must comply with all applicable emissions limits at all times except for startup or shutdown periods conforming with this work practice. He/she must collect monitoring data during periods of shutdown, as specified in 40 CFR 63.7535(b), keep records during periods of shutdown, and provide reports concerning activities and periods of shutdown, as specified in 40 CFR 63.7555.

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

Condition 228: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 228.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Item 228.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

An existing or new boiler or process heater subject to

emission limits in Table 1 or 2 or 11 through 13 to subpart DDDDD must meet the following requirements during startup

The owner or operator must operate all CMS during startup.

For startup of a boiler or process heater, the owner or operator must use one or a combination of the following clean fuels: natural gas, synthetic natural gas, propane, distillate oil, syngas, ultra-low sulfur diesel, fuel oil soaked rags, kerosene, hydrogen, paper, cardboard, refinery gas, and liquefied petroleum gas.

If the owner or operator starts firing coal/solid fossil fuel, biomass/bio-based solids, heavy liquid fuel, or gas 2 (other) gases, he/she must vent emissions to the main stack(s) and engage all of the applicable control devices except limestone injection in fluidized bed combustion (FBC) boilers, dry scrubber, fabric filter, selective non-catalytic reduction (SNCR), and selective catalytic reduction (SCR). The owner or operator must start your limestone injection in FBC boilers, dry scrubber, fabric filter, SNCR, and SCR systems as expeditiously as possible. Startup ends when steam or heat is supplied for any purpose.

The owner or operator must comply with all applicable emission limits at all times except for startup or shutdown periods conforming with this work practice. He/she must collect monitoring data during periods of startup, as specified in 40 CFR 63.7535(b), keep records during periods of startup, and provide reports concerning activities and periods of startup, as specified in 40 CFR 63.7555.

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

Condition 229: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 229.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K23

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 229.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The owner or operator of a new industrial, commercial, or institutional light liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the concentration of carbon monoxide emissions.

The concentration limit for carbon monoxide is 130 ppmvd or less corrected to 3% oxygen based on the average of three runs. Each run must be for at least one hour.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 130 parts per million by volume
(dry, corrected to 3% oxygen)

Reference Test Method: see table 5.5 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 230: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 230.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

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

Item 230.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The owner or operator of a new industrial, commercial, or institutional light liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the concentration of filterable particulate matter emissions.

The concentration limit for filterable particulate matter is 0.0011 lb/mmBtu of heat input or less based on the average of three runs. Each run must collect a minimum of three dry standard cubic meters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.0011 pounds per million Btus
Reference Test Method: see table 5.1 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 231: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 231.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 231.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The owner or operator of a new industrial, commercial, or institutional liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the

concentration of hydrogen chloride emissions.

The concentration limit for hydrogen chloride is 0.00044 lb/mmBtu of heat input or less based on the average of three runs. If using method 26A, each run must collect a minimum of two dry standard cubic meters and if using method 26 each run must collect a minimum of 2400 liters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.00044 pounds per million Btus
Reference Test Method: see table 5.3 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 232: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 232.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 232.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The owner or operator of a new industrial, commercial, or institutional liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the concentration of mercury emissions.

The concentration limit for mercury is 0.00000048 (4.8E-07) lb/mmBtu of heat input or less based on the average of three runs. If using method 29, each run must collect a minimum of four dry standard cubic meters, if using method 30A or B, each run must collect a minimum sample as specified in the method, if using ASTM D6784, each run must collect a minimum of four dry standard cubic meters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that is does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if

the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.00000048 pounds per million Btus
Reference Test Method: see table 5.4 of subpart DDDDD
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 233: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(2), Subpart DDDDD

Item 233.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 233.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an industrial, commercial, or institutional boiler complying with a fuel analysis must maintain the fuel type or fuel mixture such that the applicable emission rates calculated according to 40 CFR 63.7530(c)(1), (2) and/or (3) is less than the applicable emission limits.

This limit will be established according to Table 7 of subpart DDDDD and compliance will be demonstrated according to Table 8 of subpart DDDDD.

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

Condition 234: Good air pollution control practices
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7500(a)(3), Subpart DDDDD

Item 234.1:
This Condition applies to:

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Item 234.1:
This Condition applies to Emission Unit: U-00015
Process: K23

Item 234.2.3:
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. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

Condition 235: Affirmative defense
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7501(a), Subpart DDDDD

Item 235.1:
This Condition applies to:

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Item 235.1:
This Condition applies to Emission Unit: U-00015
Process: K23

Item 235.2.3:

To establish the affirmative defense in any action to enforce such a standard, the owner or operator must timely meet the reporting requirements in 40 CFR 63.7501(b), and must prove by a preponderance of evidence that:

(1) The violation:

(i) Was caused by a sudden, infrequent, and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner; and

(ii) Could not have been prevented through careful planning, proper design, or better operation and maintenance practices; and

(iii) Did not stem from any activity or event that could have been foreseen and avoided, or planned for; and

(iv) Was not part of a recurring pattern indicative of inadequate design, operation, or maintenance; and

(2) Repairs were made as expeditiously as possible when a violation occurred; and

(3) The frequency, amount, and duration of the violation (including any bypass) were minimized to the maximum extent practicable; and

(4) If the violation resulted from a bypass of control equipment or a process, then the bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and

(5) All possible steps were taken to minimize the impact of the violation on ambient air quality, the environment, and human health; and

(6) All emissions monitoring and control systems were kept in operation if at all possible, consistent with safety and good air pollution control practices; and

(7) All of the actions in response to the violation were documented by properly signed, contemporaneous operating logs; and

(8) At all times, the affected source was operated in a manner consistent with good practices for minimizing emissions; and

(9) A written root cause analysis has been prepared, the purpose of which is to determine, correct, and eliminate the primary causes of the malfunction and the violation resulting from the malfunction event at issue. The analysis shall also specify, using best monitoring methods and engineering judgment, the amount of any emissions that were the result of the malfunction.

Condition 236: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7501(b), Subpart DDDDD

Item 236.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 236.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator seeking to assert an affirmative defense shall submit a written report to the Administrator with all necessary supporting documentation, that it has met the requirements set forth in 40 CFR 63.7500. This affirmative defense report shall be included in the first periodic compliance, deviation report or excess emission report otherwise required after the initial occurrence of the violation of the relevant standard (which may be the end of any applicable averaging period). If such compliance, deviation report or excess emission report is due less than 45 days after the initial occurrence of the violation, the affirmative defense report may be included in the second compliance, deviation report or excess emission report due after the initial occurrence of the violation of the relevant standard.

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

Condition 237: Demonstrating Compliance
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7505(c), Subpart DDDDD

Item 237.1:
This Condition applies to:

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Item 237.1:
This Condition applies to Emission Unit: U-00015
Process: K23

Item 237.2.3:
The owner or operator of an industrial, commercial, or institutional boiler located at a major source of HAP must demonstrate compliance with all applicable emission limits using performance stack testing, fuel analysis, or continuous monitoring systems (CMS), including a continuous emission monitoring system (CEMS), continuous opacity monitoring system (COMS), continuous parameter monitoring system (CPMS), or particulate matter continuous parameter monitoring system (PM CPMS), where applicable. The owner or operator may demonstrate compliance with the applicable emission limit for hydrogen chloride (HCl), mercury, or total selected metals (TSM) using fuel analysis if the emission rate calculated according to 40 CFR 63.7530(c) is less than the applicable emission limit. (For gaseous fuels, the owner or operator may not use fuel analyses to comply with the TSM alternative standard or the HCl standard.) Otherwise, the owner or operator must demonstrate compliance for HCl, mercury, or TSM using performance testing, if subject to an applicable emission limit listed in Tables 1, 2, or 11 through 13 to subpart DDDDD.

Condition 238: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7505(d), Subpart DDDDD

Item 238.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 238.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Owners and operators demonstrating compliance with any applicable emission limit through performance testing and subsequent compliance with operating limits (including the use of CPMS), or with a CEMS, or COMS must develop a

site-specific monitoring plan according to the requirements in paragraphs (1) through (4) for the use of any CEMS, COMS, or CPMS. This requirement also applies to the owner or operator if he/she petitions the EPA Administrator for alternative monitoring parameters under 40 CFR 63.8(f).

(1) For each CMS required in this section (including CEMS, COMS, or CPMS), the owner or operator must develop, and submit to the Administrator for approval upon request, a site-specific monitoring plan that addresses design, data collection, and the quality assurance and quality control elements outlined in 40 CFR 63.8(d) and the elements described in paragraphs (i) through (iii). The owner or operator must submit this site-specific monitoring plan, if requested, at least 60 days before his/her initial performance evaluation of the CMS. This requirement to develop and submit a site-specific monitoring plan does not apply to affected sources with existing CEMS or COMS operated according to the performance specifications under appendix B to part 60 and that meet the requirements of 40 CFR 63.7525. Using the process described in 40 CFR 63.8(f)(4), the owner or operator may request approval of alternative monitoring system quality assurance and quality control procedures in place of those specified in this paragraph and, if approved, include the alternatives in his/her site-specific monitoring plan.

(i) Installation of the CMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

(ii) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems; and

(iii) Performance evaluation procedures and acceptance criteria (e.g., calibrations, accuracy audits, analytical drift).

(2) In the site-specific monitoring plan, the owner or operator must also address paragraphs (i) through (iii).

(i) Ongoing operation and maintenance procedures in accordance with the general requirements of 40 CFR 63.8(c)(1)(ii), (c)(3), and (c)(4)(ii);

(ii) Ongoing data quality assurance procedures in

accordance with the general requirements of 40 CFR 63.8(d); and

(iii) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of 40 CFR 63.10(c) (as applicable in Table 10 subpart DDDDD), (e)(1), and (e)(2)(i).

(3) The owner or operator must conduct a performance evaluation of each CMS in accordance with the site-specific monitoring plan.

(4) The owner or operator must operate and maintain the CMS in continuous operation according to the site-specific monitoring plan.

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

Condition 239: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7515(e), Subpart DDDDD

Item 239.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 239.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
An owner or operator demonstrating compliance with the mercury, HCl, or TSM based on fuel analysis must conduct a monthly fuel analysis according to 40 CFR 63.7521 for each type of fuel burned that is subject to an emission limit in Tables 1, 2, or 11 through 13 to subpart DDDDD. The owner or operator may comply with this monthly requirement by completing the fuel analysis any time within the calendar month as long as the analysis is separated from the previous analysis by at least 14 calendar days. If the owner or operator burns a new type of fuel, he/she must conduct a fuel analysis before burning the new type of fuel in his/her boiler or process heater. The owner or operator must still meet all applicable continuous compliance requirements in 40 CFR 63.7540. If each of 12 consecutive monthly fuel analyses demonstrates 75 percent or less of the compliance level, the owner or operator may

decrease the fuel analysis frequency to quarterly for that fuel. If any quarterly sample exceeds 75 percent of the compliance level or the owner or operator begins burning a new type of fuel, he/she must return to monthly monitoring for that fuel, until 12 months of fuel analyses are again less than 75 percent of the compliance level.

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

Condition 240: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7515(h), Subpart DDDDD

Item 240.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 240.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an affected boiler or process heater that is designed to burn light liquid subcategory and combusts ultra low sulfur liquid fuel does not need to conduct further performance tests if the pollutants measured during the initial compliance performance tests meet the emission limits in Tables 1 or 2 of subpart DDDDD providing that he/she demonstrates ongoing compliance with the emissions limits by monitoring and recording the type of fuel combusted on a monthly basis. If the owner or operator intends to use a fuel other than ultra low sulfur liquid fuel, natural gas, refinery gas, or other gas 1 fuel, he/she must conduct new performance tests within 60 days of burning the new fuel type.

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

Condition 241: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7520, Subpart DDDDD

Item 241.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 241.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

All performance tests must be conducted according to 40 CFR 63.7(c), (d), (f), and (h). The owner or operator must also develop a site-specific stack test plan according to the requirements in 40 CFR 63.7(c). The owner or operator shall conduct all performance tests under such conditions as the Administrator specifies to he/she based on the representative performance of each boiler or process heater for the period being tested. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests.

Each performance test shall be conducted according to the requirements in Table 5 of Subpart DDDDD.

The owner or operator must conduct each performance test under the specific conditions listed in Tables 5 and 7 to subpart DDDDD. The owner or operator must conduct performance tests at representative operating load conditions while burning the type of fuel or mixture of fuels that has the highest content of chlorine and mercury, and TSM if he/she is opting to comply with the TSM alternative standard and he/she must demonstrate initial compliance and establish his/her operating limits based on these performance tests. These requirements could result in the need to conduct more than one performance test. Following each performance test and until the next performance test, the owner or operator must comply with the operating limit for operating load conditions specified in Table 4 to subpart DDDDD.

The owner or operator must conduct a minimum of three separate test runs for each performance test required in 40 CFR 63.7520, as specified in 40 CFR 63.7(e)(3). Each test run must comply with the minimum applicable sampling times or volumes specified in Tables 1 and 2 or 11 through 13 to subpart DDDDD.

To determine compliance with the emission limits, the owner or operator must use the F-Factor methodology and equations in sections 12.2 and 12.3 of EPA Method 19 at 40 CFR part 60, appendix A–7 to convert the measured particulate matter (PM) concentrations, the measured HCl

concentrations, the measured mercury concentrations, and the measured TSM concentrations that result from the performance test to pounds per million Btu heat input emission rates.

Except for a 30-day rolling average based on CEMS (or sorbent trap monitoring system) data, if measurement results for any pollutant are reported as below the method detection level (e.g., laboratory analytical results for one or more sample components are below the method defined analytical detection level), the owner or operator must use the method detection level as the measured emissions level for that pollutant in calculating compliance. The measured result for a multiple component analysis (e.g., analytical values for multiple Method 29 fractions both for individual HAP metals and for total HAP metals) may include a combination of method detection level data and analytical data reported above the method detection level.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 242: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7521(a), Subpart DDDDD

Item 242.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 242.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For solid and liquid fuels, the owner or operator must conduct fuel analyses for chloride and mercury according to the procedures in 40 CFR 63.7521(b) through (e) and Table 6 to subpart DDDDD, as applicable. For solid fuels and liquid fuels, the owner or operator must also conduct fuel analyses for TSM if he/she is opting to comply with the TSM alternative standard. For gas 2 (other) fuels, the owner or operator must conduct fuel analyses for mercury according to the procedures in 40 CFR 63.7521(b) through (e) and Table 6 to subpart DDDDD, as applicable. (For gaseous fuels, the owner or operator may not use fuel analyses to comply with the TSM alternative standard or

the HCl standard.) For purposes of complying with 40 CFR 63.7521, a fuel gas system that consists of multiple gaseous fuels collected and mixed with each other is considered a single fuel type and sampling and analysis is only required on the combined fuel gas system that will feed the boiler or process heater. Sampling and analysis of the individual gaseous streams prior to combining is not required. The owner or operator is not required to conduct fuel analyses for fuels used for only startup, unit shutdown, and transient flame stability purposes. The owner or operator is required to conduct fuel analyses only for fuels and units that are subject to emission limits for mercury, HCl, or TSM in Tables 1 and 2 or 11 through 13 to subpart DDDDD. Gaseous and liquid fuels are exempt from the sampling requirements in 40 CFR 63.7521(c) and (d) and Table 6 to subpart DDDDD.

The owner or operator may obtain a fuel analysis from the fuel supplier in lieu of site-specific sampling provided that the fuel supplier uses the analytical methods required by Table 6 of subpart DDDDD.

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

Condition 243: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7525(a), Subpart DDDDD

Item 243.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 243.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For boilers or process heaters subject to a carbon monoxide emission limit in Table 1, 2, or 11 through 13 to Subpart DDDDD, the facility shall install, operate, and maintain an oxygen analyzer system, as defined in 40 CFR 63.7575, according to the procedures in paragraphs (a)(1) through (7) of 40 CFR 63.7525 by the compliance date specified in 40 CFR 63.7495. The oxygen level shall be monitored at the outlet of the boiler or process heater.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 244: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7530(a), Subpart DDDDD

Item 244.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 244.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must demonstrate initial compliance with each emission limit that applies to the facility by conducting initial performance tests and fuel analyses and establishing operating limits, as applicable, according to 40 CFR 63.7520, 40 CFR 63.7530(b) and (c), and Tables 5 and 7 to subpart DDDDD. The requirement to conduct a fuel analysis is not applicable for units that burn a single type of fuel, as specified by 40 CFR 63.7510(a)(2)(i). If applicable, he owner or operator must also install, operate, and maintain all applicable CMS (including CEMS, COMS, and CPMS) according to 40 CFR 63.7525.

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

Condition 245: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7530(b), Subpart DDDDD

Item 245.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 245.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
An owner or operator that demonstrates compliance through performance testing must establish each site-specific operating limit in Table 4 to subpart DDDDD that applies to the facility according to the requirements in 40 CFR 63.7520, Table 7 to subpart DDDDD, and 40 CFR 63.7530(b)(4), as applicable. The owner or operator must also conduct or obtain fuel analyses according to 40 CFR 63.7521 and establish maximum fuel pollutant input levels according to 40 CFR 63.7530(b)(1) through (3), as applicable, and as specified in 40 CFR 63.7510(a)(2). (Note that 40 CFR 63.7510(a)(2) exempts certain fuels from the fuel analysis requirements.) However, if the owner or operator switches fuel(s) and cannot show that the new fuel(s) does (do) not increase the chlorine, mercury, or TSM input into the unit through the results of fuel analysis, then he/she must repeat the performance test to demonstrate compliance while burning the new fuel(s).

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

Condition 246: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7530(c), Subpart DDDDD

Item 246.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 246.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
An owner or operator that elects to demonstrate compliance with an applicable emission limit through fuel analysis must conduct or obtain fuel analyses according to 40 CFR 63.7521 and follow the procedures in 40 CFR 63.7530(c)(1) through (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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 247: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7530(h), Subpart DDDDD

Item 247.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 247.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a unit subject to emission limits in Tables 1 or 2 or 11 through 13 to subpart DDDDD must meet the work practice standard according to Table 3 of subpart DDDDD. During startup and shutdown, the owner or operator must only follow the work practice standards according to item 5 of Table 3 of subpart DDDDD.

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

Condition 248: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7535, Subpart DDDDD

Item 248.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 248.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(a) You must monitor and collect data according to this

section and the site specific monitoring plan required by § 63.7505(d).

(b) You must operate the monitoring system and collect data at all required intervals at all times that the affected source is operating, except for periods of monitoring system malfunctions or out of control periods (see § 63.8(c)(7) of this part), and required monitoring system quality assurance or control activities, including, as applicable, calibration checks and required zero and span adjustments. A monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system failures that are caused in part by poor maintenance or careless operation are not malfunctions. You are required to effect monitoring system repairs in response to monitoring system malfunctions or out-of-control periods and to return the monitoring system to operation as expeditiously as practicable.

(c) You may not use data recorded during monitoring system malfunctions or out-of-control periods, repairs associated with monitoring system malfunctions or out-of-control periods, or required monitoring system quality assurance or control activities in data averages and calculations used to report emissions or operating levels. You must use all the data collected during all other periods in assessing the operation of the control device and associated control system.

(d) Except for periods of monitoring system malfunctions or out-of-control periods, repairs associated with monitoring system malfunctions or out-of-control periods, and required monitoring system quality assurance or quality control activities including, as applicable, calibration checks and required zero and span adjustments, failure to collect required data is a deviation of the monitoring requirements.

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

Condition 249: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7540(a), Subpart DDDDD

Item 249.1:

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

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 249.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an industrial, commercial, and institutional boiler or process heater must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to subpart DDDDD, the work practice standards in Table 3 to subpart DDDDD, and the operating limits in Table 4 to subpart DDDDD that applies to you according to the methods specified in Table 8 to subpart DDDDD and 40 CFR 63.7540(a)(1) through (19).

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

Condition 250: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7545(d), Subpart DDDDD

Item 250.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 250.2:
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 days before the performance test is scheduled to begin.

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

Condition 251: Notification of compliance status
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7545(e), Subpart DDDDD

Item 251.1:
This Condition applies to Emission Unit: U-00015
Process: K23

Item 251.2:
Owners and operators that are required to conduct an initial compliance demonstration as specified in 40 CFR 63.7530 must submit a Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii). For the initial compliance demonstration for each affected source, the owner or operator must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for the affected source according to 40 CFR 63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in 40 CFR 63.7545(e)(1) through (8), as applicable.

Condition 252: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7550(b), Subpart DDDDD

Item 252.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 252.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Unless the EPA Administrator has approved a different schedule for submission of reports under 40 CFR 63.10(a), the owner or operator must submit each report, according to 40 CFR 63.7550(h), by the date in Table 9 to subpart DDDDD and according to the requirements in (1) through (4). For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to 40 CFR 63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or operating limits, the owner or operator may submit only an annual, biennial, or 5- year compliance report, as applicable, as specified in

paragraphs (1) through (4), instead of a semiannual compliance report.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for the owner or operators source in 40 CFR 63.7495.

(2) The first compliance report must be post marked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495. The first annual, biennial, or 5-year compliance report must be post marked or submitted no later than January 31.

(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. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent compliance report must be post marked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be post marked or submitted no later than January 31.

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

Condition 253: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7550(c), Subpart DDDDD

Item 253.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 253.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
All compliance reports for 40 CFR 63 Subpart DDDDD must contain the information required in 40 CFR 63.7550(c)(1) through (5).

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

Condition 254: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7550(d), Subpart DDDDD

Item 254.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 254.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each deviation from an emission limit or operating limit in this subpart that occurs at an individual boiler or process heater where the owner or operator is not using a CMS to comply with that emission limit or operating limit, the compliance report must additionally contain the information required in following paragraphs (1) through (3).

(1) A description of the deviation and which emission limit or operating limit from which the owner or operator deviated.

(2) Information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective action taken.

(3) If the deviation occurred during an annual performance test, provide the date the annual performance test was completed.

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

Condition 255: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7550(e), Subpart DDDDD

Item 255.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 255.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each deviation from an emission limit, operating limit, and monitoring requirement in subpart DDDDD occurring at an affected source where the owner or operator is using a CMS to comply with that emission limit or operating limit, he/she must include the information required in 40 CFR 63.7550(e)(1) through (9). This includes any deviations from the site-specific monitoring plan as required in 40 CFR 63.7505(d).

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

Condition 256: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7550(h), Subpart DDDDD

Item 256.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 256.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Facility must submit the reports according to the procedures specified in paragraphs (1) through (3).

(1) Within 60 days after the date of completing each performance test (defined in §63.2) as required by this subpart facility must submit the results of the performance tests, including any associated fuel analyses, required by this subpart and the compliance reports required in §63.7550(b) to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. Owners or operators who claim that some of the information being submitted for performance tests is confidential business information (CBI) must submit a complete ERT file including information claimed to be CBI on a compact disk or other commonly used electronic storage media (including, but not limited to, flash drives) to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT file with the CBI omitted must be submitted to the EPA via CDX as described earlier in this paragraph. At the discretion of the Administrator, facility must also submit these reports, including the confidential business information, to the Administrator in the format specified by the Administrator. For any performance test conducted using test methods that are not listed on the ERT Web site, the owner or operator shall submit the results of the performance test in paper submissions to the Administrator.

(2) Within 60 days after the date of completing each CEMS performance evaluation test (defined in 63.2) facility must submit the relative accuracy test audit (RATA) data to the EPA's Central Data Exchange by using CEDRI as mentioned in paragraph (1). Only RATA pollutants that can be documented with the ERT (as listed on the ERT Web site) are subject to this requirement. For any performance evaluations with no corresponding RATA pollutants listed on the ERT Web site, the owner or operator shall submit

the results of the performance evaluation in paper submissions to the Administrator.

(3) Facility must submit all reports required by Table 9 of this subpart electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due facility must submit the report to the Administrator at the appropriate address listed in §63.13. At the discretion of the Administrator, facility must also submit these reports, to the Administrator in the format specified by the Administrator.

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

Condition 257: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(a), Subpart DDDDD

Item 257.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 257.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must keep records according to paragraphs (1) and (2).

(1) A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that was submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

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

Condition 258: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(b), Subpart DDDDD

Item 258.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 258.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each CEMS, COMS, and continuous monitoring system the owner or operator must keep records according to paragraphs (1) through (5).

(1) Records described in 40 CFR 63.10(b)(2)(vii) through (xi).

(2) Monitoring data for continuous opacity monitoring system during a performance evaluation as required in 40 CFR 63.6(h)(7)(i) and (ii).

(3) Previous (i.e., superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d)(3).

(4) Request for alternatives to relative accuracy test for CEMS as required in 40 CFR 63.8(f)(6)(i).

(5) Records of the date and time that each deviation started and stopped.

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

Condition 259: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(c), Subpart DDDDD

Item 259.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 259.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must keep the records required in Table 8 to subpart DDDDD including records of all monitoring data and calculated averages for applicable operating limits, such as opacity, pressure drop, pH, and operating load, to show continuous compliance with each emission limit and operating limit that apply.

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

Condition 260: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(d), Subpart DDDDD

Item 260.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K23

Item 260.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each boiler or process heater subject to an emission limit in Table 1, 2 or 11 through 13 to subpart DDDDD, the owner or operator must also keep the applicable records in 40 CFR 63.7555(d)(1) through (11).

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

Condition 261: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(i), Subpart DDDDD

Item 261.1:
The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 261.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

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

Condition 262: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7555(j), Subpart DDDDD

Item 262.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 262.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

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

Condition 263: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7560, Subpart DDDDD

Item 263.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 263.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1).

As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

The owner or operator must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The owner or operator can keep the records off site for the remaining 3 years.

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

Condition 264: General provisions
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7565, Subpart DDDDD

Item 264.1:
This Condition applies to:

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Item 264.1:
This Condition applies to Emission Unit: U-00015
Process: K23

Item 264.2.3:

Table 10 to subpart DDDDD shows which parts of the General Provisions in 40 CFR 63.1 through 63.15 apply to the facility. The owner or operator is responsible for ensuring they comply with all General Provisions contained in Table 10.

Condition 265: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 63.7530(d), Subpart DDDDD

Item 265.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K24 Emission Source: 321BL

Emission Unit: U-00015
Process: K24 Emission Source: 321BM

Item 265.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an existing unit with a heat input capacity of less than 10 million Btu per hour or a unit in the unit designed to burn gas 1 subcategory must submit a signed statement in the Notification of Compliance Status report that indicates that he/she conducted a tune-up of the 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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 266: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 229.5 (d)

Item 266.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K25

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

Item 266.2:
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: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 267: VOL storage tanks less than 10000 gallons
Effective between the dates of 09/11/2015 and 09/10/2020

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

Item 267.1:
This Condition applies to Emission Unit: U-00015
Process: K25 Emission Source: 321AK

Item 267.2:
Volatile organic liquid tanks with a capacity of less than 10,000 gallons must be equipped with a conservation vent.

Condition 268: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 268.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00051 Emission Point: 32102
Process: K18 Emission Source: 321AA

Emission Unit: U-00051 Emission Point: 32106
Process: K18 Emission Source: 321AD

Emission Unit: U-00051 Emission Point: 32107
Process: K18 Emission Source: 321AE

Emission Unit: U-00051 Emission Point: M9001
Process: K18 Emission Source: M90AA

Item 268.2:
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 Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.

Subsequent reports are due every 6 calendar month(s).

Condition 269: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 269.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00051 Emission Point: 32102
Process: K18 Emission Source: 32111

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

Item 269.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Particulate emissions from the coal crusher (ES 321AA) shall be limited to 0.005 grains/dscf. To ensure compliance with this limit, the pressure drop across the baghouse (ES 32111) shall be monitored continously and maintained between -0.5 and 5.0 inches of water on a 6 minute average basis. The system is alarmed to the control room to indicate any instance where the 6 minute average falls outside the stated range.
Any such event will be investigated and reported as a deviation.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: -0.5 inches of water
Upper Permit Limit: 5 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 270: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 270.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00051 Emission Point: 32106

Process: K18 Emission Source: 321AD

Item 270.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. The Department reserves the right to perform or require the performance of a Method 5 emissions evaluation at any time.

The permittee will conduct compliance verifications at the monitoring frequency stated below. These verifications include review of pertinent information relating to particulate emissions of the source, including but not limited to production rate, process material, air flow rate, control equipment parameters, visible emissions, etc. The permittee will confirm that during source operation all pertinent parameters (whether used to directly calculate particulate emission rate, or as surrogates) are within ranges that ensure compliance with the particulate emission rate.

Additionally, the permittee will investigate, in a timely manner, any instance where there is cause to believe that particulate emissions above 0.050 gr/dscf are occurring or have occurred. These instances include but are not limited to process upsets, control device malfunctions or problems, abnormal visible emissions, complaints, etc. The permittee shall determine the cause of any exceedance, make the necessary correction, and verify that the excess emissions problem has been corrected.

Records of these verifications, 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: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 271: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 271.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00051 Emission Point: 32107
Process: K18 Emission Source: 321AE

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

Item 271.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Particulate emissions from the Boiler 44 fly ash conveyance system (ES 321AE) shall be limited to 0.050 grains/dscf. To ensure compliance with this limit, the pressure drop across the baghouse (ES 32106) shall be monitored continously and maintained between -5 and 5 inches of water on a 6 minute average basis. The system is alarmed to the control room to indicate any instance where the 6 minute average falls outside the stated range.

Any such event will be investigated and reported as a deviation.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: -5 inches of water
Upper Permit Limit: 5 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 272: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 272.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00051 Emission Point: M9001
Process: K18 Emission Source: M90AA

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

Item 272.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Particulate emissions from the Bldg 321 Silo Bin Vent (ES M90AA) shall be limited to 0.050 grains/dscf. To ensure compliance with this limit, the pressure drop across the baghouse (ES M9001) shall be monitored continously and maintained between -8.0 and 2.0 inches of water on a 6 minute average basis. The system is alarmed to the control room to indicate any instance where the 6 minute average falls outside the stated range.
Any such event will be investigated and reported as a deviation.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: -8.0 inches of water
Upper Permit Limit: 2.0 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 273: Compliance Certification
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable Federal Requirement:6 NYCRR Part 226

Item 273.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-CLEAN

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

Item 273.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Requirements for Cold Cleaning Degreasers

A. Equipment Specifications
The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal cleaning:

(1) A cover which can be operated easily.
(2) An internal drainage facility (under cover), if practical.
(3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. This does not apply to remote reservoir degreasers.
(4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20 C.

B. Operating Requirements:
When cold cleaning, the clean parts must be drained at least 15 seconds or until dripping ceases.

C. General Requirements:
A Person conducting solvent metal cleaning must:

(1) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.

(2) Maintain equipment to minimize leaks and fugitive emissions.

(3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.

(4) Keep the degreaser cover closed except when:
(a) parts are being placed into or being removed from the degreaser;
(b) adding or removing solvent from the degreaser;
(c) no solvent is in the degreaser; or
(d) when manually cleaning metal parts in the cold cleaning degreaser.

(5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.

(6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.

(7) If using a cold cleaning degreaser that is subject to paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.
(a) the name and address of the solvent supplier;
(b) the type of solvent including the product or vendor identification number; and
(c) the vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).

(8) Maintain a log in the operating area in which the solvent consumption is recorded as required under (5) above. Any deviations from the above requirements shall also be recorded in the log, as well as included in the Title V compliance reports. The log shall be dated and initialed by the operator.

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

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: **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 274: Contaminant List
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:ECL 19-0301

Item 274.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000071-43-2
Name: BENZENE

CAS No: 000075-09-2
Name: DICHLOROMETHANE

CAS No: 000124-38-9
Name: CARBON DIOXIDE

CAS No: 000630-08-0
Name: CARBON MONOXIDE

CAS No: 007439-92-1
Name: LEAD

CAS No: 007439-97-6
Name: MERCURY

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY075-00-5
Name: PM-10

CAS No: 0NY075-02-5
Name: PM 2.5

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 275: Malfunctions and start-up/shutdown activities
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR 201-1.4

Item 275.1:
(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 276: Visible Emissions Limited
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR 211.2

Item 276.1:
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.

Condition 277: Emissions from new emission sources and/or modifications
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 277.1:
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.

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

Condition 278: Compliance Demonstration
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR 211.2

Item 278.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008

Item 278.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

In order to minimize odors and maintain compliance with 6 NYCRR Part 211.2, RED shall, upon receiving an odor complaint, review operating conditions and investigate the circumstances surrounding the identified odor problem to determine if it was caused by the waste water treatment plant (WWTP). If it appears that the WWTP is the cause of the odor, RED shall develop and implement control strategies appropriate for the nature, cause and extent of the problem. Control measures to be considered shall include all practicable measures, including, but not limited to process and emission control changes.

RED shall maintain an odor reporting program whereby receipt of all complaints of odors are logged and investigated with appropriate response actions taken. Records shall be kept on site which include the following information:

Complaint Information
date received
location of odor
name, address, and phone number of caller
date, time, and duration of odor
the description of the odor as provided in the complaint
comments from caller
wind direction and wind speed

Assessment of Operations
name of investigator
date and time of investigation
findings of investigation

Corrective Actions

date of corrective action
description of correction actions taken

RED shall retain all records of odor complaints on site for a period of five (5) years and shall make all such records available to the Department upon request.

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

Condition 279: Compliance Demonstration
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 279.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008
Process: K06 Emission Source: 096AA

Item 279.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
In order to demonstrate compliance with 6 NYCRR Part 212.4(a) BACT requirements, emissions from the Grit Chamber (ES 096AA) shall be controlled by a carbon adsorption control system (Control Device 09601), except when the system is offline due to maintenance, or other activities which are authorized in advance by the Department. The system shall be comprised of two carbon beds arranged in series such that one bed serves as the primary control with the other serving as a backup at any given time. Based on the contaminant loading, influent wastewater flow at King's Landing, and an analysis provided by the carbon vendor (dated March 11, 2011), the carbon beds shall be changed
at a minimum of six times per calendar year at a frequency not to exceed 62 days, excluding periods when the Grit Chamber is not in operation. Prior to the end of each 62 day operating period, the air flow will be re-directed to the backup bed and the carbon in the primary bed will be removed and replaced. The bed with the fresh carbon will then be put back into service in the back-up position.

Records of maintenance to the system and carbon bed replacements shall be kept on site and made available to the Department upon request.

Prior to the end of the permit term, RED shall perform an engineering evaluation in order to re-evaluate the frequency of changing the carbon beds. The engineering evaluation report shall be submitted to the Department no later than the application for renewal of the permit.

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

Condition 280: Compliance Demonstration
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 280.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008
Process: K06 Emission Source: 096AA

Item 280.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
In order to maintain compliance with 6 NYCRR Part 212.4(a) (Table 2) requirements, the five minute average inlet air flow rate to the carbon adsorption control system (Control Device 09601) shall be maintained between 200 and 500 scfm while the grit chamber is operating, except when the system is offline due to maintenance, or other activities which are authorized in advance by the Department. Records of air flow rate, grit chamber operation status, and system maintenance/outage shall be kept on site and made available to the Department upon request.

Parameter Monitored: AIR FLOW
Lower Permit Limit: 200 cubic feet per minute

Upper Permit Limit: 500 cubic feet per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 281: Compliance Demonstration
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR 212.4 (b)

Item 281.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

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

Item 281.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To maintain compliance with the 6 NYCRR Part 212.4(b) particulate limit of 0.015 grains/dscf (corrected to 7% O2), RED shall operate the control devices (Control Devices 09505, 09506, 09507, 09509, 09510 and 09511) associated with the Multiple Hearth Incinerator (MHI) (Emission Source 095AF) at all times when wastewater sludge or grit is being incinerated.

To demonstrate compliance with the 212.4(b) particulate limit and to meet 40 CFR 64 Compliance Assurance Monitoring (CAM) requirements, RED shall monitor the following parameters of the incinerator and control devices as required for compliance with the Hazardous Waste Combustor NESHAP (40 CFR 63, Subpart EEE):

1) water flow rate to the Condenser (Control Device 09507);
2) feed of wastewater sludge or grit to the MHI (Emission Source 095AF);
3) blowdown rate for the Venturi scrubber (Control Device 09509);
4) water flow rate to the Quench chamber (Control Device 09506);
5) stack gas air flow rate through the MHI (Emission

Source 095AF);
6) secondary specific power supplied to the Wet Electrostatic Precipitator (WESP)(Control Device 09511);
7) water flow rates to the Venturi scrubber approach and throat (Control Device 09509);
8) pressure drop across the Venturi scrubber (Control Device 09509);
9) water pressure to the Condenser (Control Device 09507);
10) power (KVA) to the WESP (Control Device 09511);
11) ash feed rate to the MHI (Emission Source 095AF); and
12) outlet temperature from the Quench chamber (Control Device 09506).

The prescribed limits, monitoring frequencies and averaging periods for the above parameters are specified in other Emission Unit U-00008 permit conditions and shall satisfy this condition. Data shall be collected and recorded by a computerized distributed control system that also monitors the operational status and data quality of the monitoring equipment. Calibrations shall be performed as specified in the Continuous Monitoring System Plan, required under 40 CFR 63 Subpart EEE.

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

Condition 282: Compliance Demonstration
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 282.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503
Process: K02

Regulated Contaminant(s):
CAS No: 007439-92-1 LEAD

Item 282.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

To maintain compliance with 6 NYCRR Part 212.4(a) (Table 2) or Best Available Control Technology (BACT) requirements for organics and metals, including lead, RED shall operate the control devices (Control Devices 09505, 09506, 09507, 09509, 09510 and 09511) associated with the Multiple Hearth Incinerator (MHI) (Emission Source 095AF) at all times when wastewater sludge or grit is being incinerated.

RED shall monitor the operating parameters of the incinerator and associated control devices and comply with feed rate limits in accordance with the requirements of 40 CFR 63 Subpart EEE (Hazardous Waste Combustor NESHAP). These compliance monitoring requirements are reflected in other Federally enforceable permit conditions for Emission Unit U-00008.

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

Condition 283: Compliance Demonstration
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 283.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008 Emission Point: R1601
Process: K06

Regulated Contaminant(s):
CAS No: 000075-09-2 DICHLOROMETHANE

Item 283.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
In order to maintain compliance with 6 NYCRR Part 212.4(a) (Table 2) or BACT (Best Available Control Technology) requirements, the annual emissions of dichloromethane from Emission Point R1601 shall not exceed 3.5 tpy on a rolling twelve-month basis. Annual emissions of dichloromethane shall be calculated monthly and incorporated into a twelve-month rolling total. Records shall be kept on site for five years and made available to the Department upon request.

Dichloromethane emissions shall be calculated as follows: The inlet load to the Trickling Filter (ES R16AA) shall be assumed to be the same as the inlet load to the wastewater treatment plant, as determined by the 24 hour composite influent sampling done at least once every eight days at Station TKP. The loading to the odor scrubber shall then be calculated by multiplying the inlet load to the Trickling Filter by the appropriate emission factor (developed through historical mass balance sampling and /or theoretical calculations), and by considering the run time of the Trickling Filter. Emission factors shall be used to account for any dichloromethane emissions which occur from the Sludge Holding Tanks (ES 095AL) & Centrifuge Room (ES 095AM). The loading to the scrubber shall then be adjusted by the minimal control efficiency for dichloromethane provided by the odor scrubber.

The above limit is based on the Part 212 BACT Evaluation, dated March 2012 (Updated June 2014). The BACT determination shall be re-evaluated every five years or prior to any changes that could significantly impact the existing approved or pending BACT evaluation. The next re-evaluation shall be submitted no later than June 1, 2019.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 284: Compliance Demonstration
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR 242-1.4 (b)

Item 284.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE

Item 284.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Notwithstanding Subdivision (a) of this Section, any unit that, on or before December 1, 2008, applies for a enforceable permit condition restricting the supply of the unit's annual electrical output to the electric grid to less than or equal to 10 percent of the annual gross generation of the unit, and that from and after January 1, 2009 complies with the 10 percent restriction and the provisions in Paragraph (b)(3) of this Section, shall be exempt from the requirements of this Part, except for the provisions of this Section, Sections 242-1.2, 242-1.3, and 242-1.6 of this Part.

The exemption under Paragraph (b)(1) of this Section shall become effective as of January 1, 2009 and remain in effect unless and until the unit loses its exemption under Subparagraph (b)(3)(v) of this Section.

A unit exempt under Paragraph (b)(1) of this Section shall comply with the restriction on percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section.

A unit exempt under Paragraph (b)(1) of this Section shall report to the department the amount of annual gross generation and the amount of annual gross generation supplied to the electric grid during the year by the following February 1st.

For a period of 10 years from the date the records are created, the owners and operators of a unit exempt under Paragraph (b)(1) of this Section shall retain, at the source that includes the unit, records demonstrating that the conditions of the permit under Paragraph (b)(1) of this Section were met. The 10-year period for keeping records may
be extended for cause, at any time prior to the end of the period, in writing by the department. The owners and operators bear the burden of proof that the unit met the restriction on the percentage of annual gross generation that may be supplied to the electric grid.

The owners and operators and, to the extent applicable, the CO2 authorized account representative of a unit exempt under Paragraph (b)(1) of this Section shall comply with all the requirements of this Part concerning all time periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.

On the earlier of the following dates, a unit exempt under Paragraph (b)(1) of this Section shall lose its exemption:

(a) the date on which the restriction on the percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section is removed from the unit's permit or otherwise becomes no longer applicable in any year that commences on or after January 1, 2009; or

(b) the first date on which the unit fails to comply, or on which the owners and operators fail to meet their burden of proving that the unit is complying, with the restriction on the percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section during any year that commences on or after January 1, 2009.

A unit that loses its exemption in accordance with Subparagraph (b)(3)(v) of this Section shall be subject to the requirements of this Part. For the purpose of applying permitting requirements under Subpart 242-3 of this Part, allocating allowances under Subpart 242-5 of this Part, and applying monitoring requirements under Subpart 242-8
of this Part, the unit shall be treated as commencing operation on the date the unit loses its exemption.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 285: Compliance Demonstration
Effective between the dates of 09/11/2015 and 09/10/2020

Applicable State Requirement:6 NYCRR Part 249

Item 285.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY075-00-5	PM-10

Item 285.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Pursuant to 6 NYCRR Part 249.3(e), before commencing any required construction or process changes, the owner or operator must submit an application for a permit or permit modification as required under Part 201 of this Title.

Consistent with the Department's approval of SDEGS/Eastman Business Park BART Determination, Boiler 42 will be permanently shut down or repowered by the compliance date specified in the National Emission Standards for Hazardous Air Pollutants (NESHAP) under 40 CFR 63 Subpart DDDDD, but no later than August 16, 2017.

If the decision is made to retire Boiler 42, RED will notify the Department in writing upon retirement of the unit and submit an application for a permit modification to reflect the permanent shut down of the unit.

If the decision is made to repower Boiler 42 with natural gas, RED will submit an application for a permit modification for the project and shall comply with BART by controlling NOx emissions to meet an emission limit not to exceed 0.20 lb/mmBTU, consistent with the fuel switching provisions of 227-2.5(a).

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