



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 9-2911-00113/00039  
Mod 0 Effective Date: 05/02/2014 Expiration Date: 05/01/2019  
Mod 1 Effective Date: 06/03/2015 Expiration Date: 05/01/2019

Permit Issued To: COVANTA NIAGARA I LLC  
100 ENERGY BLVD  
NIAGARA FALLS, NY 14304

Contact: BRIAN J KENT  
100 ENERGY BLVD & 56TH ST  
NIAGARA FALLS, NY 14304  
(716) 278-8500

Facility: COVANTA NIAGARA LP  
100 ENERGY BLVD AT 56TH ST  
NIAGARA FALLS, NY 14304

Description:  
This modification (Ren 2 Mod 1) is an administrative amendment to change the name of the facility from Covanta Niagara LP to Covanta Niagara I, LLC.

Below is the permit description from the previously issued Ren 2 Mod 0 Title V Permit.

The site consists of two Deutsche Babcock Anlagen (DBA) furnace/boiler systems with a total nominal throughput of 2250 tons/day combusting solid wastes, subject to 40 CFR 60 Subpart Cb. One alternate fuels combustion system, one fossil fuel fired boiler and one fuel oil fired boiler system are also located at the site. The site has all other auxiliary equipment which is associated with a facility of this type, including but not limited to the following: an enclosed tipping hall, ash loadout area, cooling tower, and various storage areas. The high-pressure steam which is produced in the boilers at the site is normally put through two extracting/condensing turbines to produce both electricity and extraction (low pressure) steam. The electricity is used to power the facility and the excess electricity is sold into the power grid. The low-pressure steam that is produced in the extracting section of the turbine generators is sold to several neighboring industrial facilities. Boiler B-110 is controlled by Covanta Niagara through a lease agreement. The major sources of emissions at the site are the two DBA boilers, alternate fuels boiler, two fossil-fuel fired boilers and ash



loadout area. All other activities at the site are categorized as exempt or trivial as defined in 6NYCRR Part 201-3.2 and 201-3.3.

The current permit action includes the second Title V permit renewal, with various updates to incorporate changes in regulatory requirements and interpretations, and a major modification of the Title V permit to allow installation and operation of a new Steam Expansion Project.

### **Steam Expansion Project**

The Steam Expansion Project consists of the installation and operation of one 273 MMBtu/hr natural gas fired boiler system (at maximum continuous rating [MCR] with peak firing up to 105% of MCR) including a new 190 foot stack and supporting equipment, which will be used to supply low-pressure steam to neighboring industrial facilities. The new boiler, which is equipped with a low-NO<sub>x</sub> burner and flue gas recirculation, will have an emission limit for oxides of nitrogen of 0.03 lb/MMBtu on a 24-hour daily heat input-weighted average. This limit ensures compliance with existing and new NO<sub>x</sub> RACT limits in 6 NYCRR 227-2.4 and maintains NO<sub>x</sub> emissions from the unit below the applicability threshold of 40 tons/yr of NO<sub>x</sub> for 6 NYCRR Part 231 New Source Review. Per the application, all contaminants except for greenhouse gases (GHG), or Carbon Dioxide Equivalents (CO<sub>2</sub>e), were below New Source Review applicability thresholds.

Modeling of the project's air quality impacts for criteria pollutants was performed. Results of the impact analysis show that impacts are expected to be below Significant Impact Levels (SILs) for all criteria pollutants and therefore no further modeling is required.

Permit conditions for the Steam Expansion Project include the following requirements:

- (1) 6 NYCRR 231-8.7: Best Available Control Technology (BACT) plan for Greenhouse Gases;
- (2) 6 NYCRR Subpart 201-6: A requirement to utilize Continuous Emissions Monitoring for NO<sub>x</sub> and intermittent stack testing for Carbon Monoxide, PM-10 and PM-2.5 to confirm that these emissions are below the applicability thresholds for New Source Review;
- (3) 6 NYCRR 227-2.4(a): NO<sub>x</sub> RACT compliance under the current limit as well as under the new limit that will be in effect as of July 1, 2014;



(4) 40 CFR 60 Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units; and

(5) 40 CFR 63 Subpart DDDDD: the “Boiler MACT”.

**Title V Permit Updates**

Updates and revisions to the rest of the permit include the following:

(1) The addition of a NO<sub>x</sub> RACT plan under 6 NYCRR Subpart 227-2 addressing compliance of the existing boilers in Emission Unit U-110EF with the new NO<sub>x</sub> limits that will be in effect as of July 1, 2014. Boiler B-110 has been leased from Occidental Chemical (OxyChem) for several years. This lease expires in May 2013 and after control of the boiler is returned to OxyChem Covanta Niagara will not be responsible for ensuring compliance with the new NO<sub>x</sub> RACT limits. Boiler EFW-1 will comply with the new limit of 0.08 lb/MMBtu for a very large boiler combusting natural gas by installing a urea injection system on this boiler prior to the compliance date. Boiler EFW-2 will comply with the new limit of 0.08 lb/MMBtu for a very large boiler combusting natural gas using their existing urea injection system. Boiler EFW-2 will also comply with a limit of 0.25 lb/MMBtu while burning alternate fuel (primarily waste wood) using their existing urea injection system. The alternate fuel limit was established following a case-by-case RACT determination. Fuel oil combustion was not addressed in the RACT plan because fuel oil will no longer be burned in either EFW-1 or EFW-2;

(2) Removal of 6 NYCRR Part 204, the previous NO<sub>x</sub> Budget regulatory program, which has been repealed;

(3) Addition of 6 NYCRR Part 243, CAIR NO<sub>x</sub> Ozone Season Trading Program, which replaces Part 204;

(4) Addition of 40 CFR 60 Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, including the requirement to submit an applicability and compliance plan to the Department no later than six months after the date of permit issuance to document the requirements for each engine subject to the rule;

(5) Addition of 40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion



Engines, including the requirement to submit an applicability and compliance plan to the Department no later than six months after the date of permit issuance to document the requirements for each engine subject to the rule;

(6) Addition of a condition under 6 NYCRR Part 212, General Process Emission Sources, which addresses limitations on the quantities of nonhazardous industrial waste streams approved by NYSDEC on a case-by-case basis that can be combusted in the two DBA boilers in addition to municipal solid waste;

(7) Clarifications regarding the definition of a valid data block for CEMS data blocks greater than one hour; and

(8) Removal of Emission Unit USHRED that consisted of an exhaust system for a diesel engine powered drum auger/shredder. The old Komar shredder with the diesel engine was shut down around May 2008 when the bearing failed; the new Komar shredder was started up with an electric engine in November 2008, thus negating the need for a separate diesel exhaust system.

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

Permit Administrator: LISA M CZECHOWICZ  
NYSDEC - REGION 9  
270 MICHIGAN AVE  
BUFFALO, NY 14203-2915

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 9 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 9 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 9 Headquarters  
Division of Environmental Permits  
270 Michigan Avenue  
Buffalo, NY 14203-2915  
(716) 851-7165



**New York State Department of Environmental Conservation**

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: COVANTA NIAGARA I LLC  
100 ENERGY BLVD  
NIAGARA FALLS, NY 14304

Facility: COVANTA NIAGARA LP  
100 ENERGY BLVD AT 56TH ST  
NIAGARA FALLS, NY 14304

Authorized Activity By Standard Industrial Classification Code:  
None Listed On Application

Mod 0 Permit Effective Date: 05/02/2014

Permit Expiration Date: 05/01/2019

Mod 1 Permit Effective Date: 06/03/2015

Permit Expiration Date: 05/01/2019



## 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 200.6: Compliance Certification
- 22 6 NYCRR 200.7: Compliance Certification
- 23 6 NYCRR 200.7: Compliance Certification
- 24 6 NYCRR 200.7: Compliance Certification
- 25 6 NYCRR Subpart 201-6: Emission Unit Definition
- 26 6 NYCRR Subpart 201-6: Compliance Certification
- 27 6 NYCRR Subpart 201-6: Compliance Certification
- 28 6 NYCRR Subpart 201-6: Compliance Certification
- 29 6 NYCRR Subpart 201-6: Compliance Certification
- 30 6 NYCRR Subpart 201-6: Compliance Certification
- 31 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 32 6 NYCRR 211.1: Air pollution prohibited
- 33 6 NYCRR Part 212: Compliance Certification
- 34 6 NYCRR 212.4 (b): Compliance Certification
- 35 6 NYCRR 225-1.2 (b): Compliance Certification
- 36 6 NYCRR 225-1.2 (h): Compliance Certification
- 37 6 NYCRR Subpart 243-1: NOx Ozone Season Budget
- 38 6 NYCRR 243-1.6 (a): Permit Requirements
- 39 6 NYCRR 243-1.6 (b): Monitoring requirements
- 40 6 NYCRR 243-1.6 (c): NOx Ozone Season Emission Requirements
- 41 6 NYCRR 243-1.6 (d): Excess emission requirements
- 42 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
- 43 6 NYCRR Subpart 243-2: CAIR Representative



**New York State Department of Environmental Conservation**

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- 44 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
- 45 6 NYCRR 243-2.4: Certificate of representation
- 46 6 NYCRR Subpart 243-8: Monitoring and reporting NOx emissions
- 47 6 NYCRR 243-8.1: General requirements
- 48 6 NYCRR 243-8.1: Prohibitions
- 49 6 NYCRR 243-8.3: Out of control periods
- 50 6 NYCRR 243-8.5 (d): Quarterly reports
- 51 6 NYCRR 243-8.5 (e): Compliance certification
- 52 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 53 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 54 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 55 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 56 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 57 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 58 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 59 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 60 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 61 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 62 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 63 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 64 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 65 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 66 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 67 40CFR 60, NSPS Subpart IIII: Compliance Certification
- 68 40CFR 63.7490(a), Subpart DDDDD: Affected source
- 69 40CFR 63.7550(b), Subpart DDDDD: Compliance Certification
- 70 40CFR 63, Subpart ZZZZ: Compliance Certification

**Emission Unit Level**

- 71 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 72 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 73 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 74 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 75 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 76 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 77 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 78 40CFR 60.33b(a)(4), NSPS Subpart Cb: Compliance Certification
- 79 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 80 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 81 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 82 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 83 40CFR 60.33b(c)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 84 40CFR 60.33b(d), NSPS Subpart Cb: Compliance Certification
- 85 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 86 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 87 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

**EU=U-00001,EP=00001,Proc=MW3,ES=INCIN**

- 88 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 89 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 90 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification

**New York State Department of Environmental Conservation**

Permit ID: 9-2911-00113/00039

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**EU=U-00001,EP=00001,Proc=MW3,ES=INCIN**

91 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.

**EU=U-110EF**

92 6 NYCRR Subpart 201-6: Compliance Certification  
93 6 NYCRR Subpart 201-6: Compliance Certification  
94 6 NYCRR Subpart 201-6: Compliance Certification  
95 6 NYCRR Subpart 201-6: Compliance Certification

**EU=U-110EF,Proc=ALT**

96 6 NYCRR Subpart 201-6: Compliance Certification  
97 6 NYCRR Subpart 201-6: Compliance Certification  
98 6 NYCRR Subpart 201-6: Compliance Certification  
99 6 NYCRR Subpart 201-6: Compliance Certification

**EU=U-110EF,Proc=ALT,ES=PARTI**

100 6 NYCRR 212.4: Compliance Certification

**EU=U-110EF,Proc=B5G**

101 6 NYCRR Subpart 201-6: Compliance Certification  
102 6 NYCRR Subpart 201-6: Compliance Certification  
103 6 NYCRR Subpart 201-6: Compliance Certification  
104 6 NYCRR Subpart 201-6: Compliance Certification  
105 6 NYCRR 227-1.3 (a): Compliance Certification  
106 6 NYCRR 227-2.4 (a): Compliance Certification  
107 6 NYCRR 231-8.7: Compliance Certification  
108 6 NYCRR 231-8.7: Compliance Certification  
109 6 NYCRR 231-8.7: Compliance Certification  
110 6 NYCRR 231-8.7: Compliance Certification  
111 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40  
CFR 60 Subpart A  
112 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Certification  
113 40CFR 60.46b(e)(1), NSPS Subpart Db: Compliance and performance  
requirements.  
114 40CFR 60.48b(b), NSPS Subpart Db: Compliance Certification  
115 40CFR 60.48b(c), NSPS Subpart Db: Compliance Certification  
116 40CFR 60.49b, NSPS Subpart Db: Recordkeeping and reporting requirements.  
117 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification  
118 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification  
119 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification  
120 40CFR 63.7515(d), Subpart DDDDD: Compliance Certification  
121 40CFR 63.7540(a), Subpart DDDDD: Compliance Certification  
122 40CFR 63.7545(c), Subpart DDDDD: New source notification

**EU=U-110EF,Proc=OAG**

123 6 NYCRR Subpart 201-6: Compliance Certification  
124 6 NYCRR Subpart 201-6: Compliance Certification  
125 6 NYCRR Subpart 201-6: Compliance Certification  
126 6 NYCRR 227-1.3: Compliance Certification  
127 40CFR 60.42, NSPS Subpart D: Compliance Certification

**EU=U-110EF,EP=00003**



128 6 NYCRR 227-2.5 (c): Compliance Certification

**EU=U-110EF,EP=00003,Proc=GAS,ES=COMBU**

129 6 NYCRR 227-1.7: Compliance Certification

**EU=U-110EF,EP=00003,Proc=OAG,ES=COMBU**

130 6 NYCRR 227-2.4: Compliance Certification

131 6 NYCRR 227-2.4: Compliance Certification

132 40CFR 52.21(i)(3), Subpart A: Compliance Certification

133 40CFR 52.21(i)(3), Subpart A: Compliance Certification

**EU=U-110EF,EP=00003,Proc=OIL,ES=COMBU**

134 6 NYCRR Subpart 201-6: Compliance Certification

135 6 NYCRR 227-1.7: Compliance Certification

**EU=U-110EF,EP=R1B01,Proc=GAS,ES=COMBU**

136 6 NYCRR Subpart 201-6: Compliance Certification

137 6 NYCRR 227-2.4: Compliance Certification

**EU=U-110EF,EP=R1B01,Proc=GAS,ES=PARTI**

138 6 NYCRR 227-1.7: Compliance Certification

**EU=U-110EF,EP=R1B01,Proc=OAG**

139 6 NYCRR 227-2.6 (a) (1): Compliance Certification

**EU=U-110EF,EP=R1B01,Proc=OAG,ES=COMBU**

140 6 NYCRR 227-2.4: Compliance Certification

141 40CFR 52.21(i)(3), Subpart A: Compliance Certification

142 40CFR 52.21(i)(3), Subpart A: Compliance Certification

**EU=U-110EF,EP=R1B01,Proc=OIL,ES=COMBU**

143 6 NYCRR Subpart 201-6: Compliance Certification

**EU=U-110EF,EP=R1B01,Proc=OIL,ES=PARTI**

144 6 NYCRR 227-1.7: Compliance Certification

**EU=U-110EF,EP=R1B02,Proc=ALT**

145 6 NYCRR 212.6 (a): Compliance Certification

**EU=U-110EF,EP=R1B02,Proc=ALT,ES=COMBU**

146 6 NYCRR Subpart 201-6: Compliance Certification

147 6 NYCRR Part 212: Compliance Certification

148 6 NYCRR 212.4 (b): Compliance Certification

149 6 NYCRR 212.4 (b): Compliance Certification

150 6 NYCRR 212.4 (b): Compliance Certification

151 6 NYCRR 212.4 (b): Compliance Certification

152 6 NYCRR 227-2.4: Compliance Certification

153 6 NYCRR 227-2.4: Compliance Certification

**EU=U-110EF,EP=R1B02,Proc=ALT,ES=PARTI**

154 6 NYCRR Part 212: Compliance Certification



- 155 6 NYCRR Part 212: Compliance Certification
- 156 6 NYCRR Part 212: Compliance Certification
- 157 6 NYCRR 212.4: Compliance Certification
- 158 6 NYCRR 212.4 (b): Compliance Certification
- 159 6 NYCRR 212.4 (b): Compliance Certification

**EU=U-110EF,EP=R1B02,Proc=GAS,ES=COMBU**

- 160 6 NYCRR Subpart 201-6: Compliance Certification
- 161 6 NYCRR 227-2.4: Compliance Certification
- 162 6 NYCRR 227-2.4: Compliance Certification

**EU=U-110EF,EP=R1B02,Proc=GAS,ES=PARTI**

- 163 6 NYCRR 227-1.7: Compliance Certification

**EU=U-110EF,EP=R1B02,Proc=OAG,ES=COMBU**

- 164 40CFR 52.21(i)(3), Subpart A: Compliance Certification
- 165 40CFR 52.21(i)(3), Subpart A: Compliance Certification

**EU=U-110EF,EP=R1B02,Proc=OIL,ES=COMBU**

- 166 6 NYCRR Subpart 201-6: Compliance Certification
- 167 6 NYCRR 227-2.4: Compliance Certification

**EU=U-110EF,EP=R1B02,Proc=OIL,ES=PARTI**

- 168 6 NYCRR 227-1.7: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 169 ECL 19-0301: Contaminant List
- 170 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 171 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 172 6 NYCRR 617.11 (d): Environmental Monitor
- 173 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 174 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 175 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 176 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 177 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 178 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 179 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 180 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 181 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 182 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 183 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 184 6 NYCRR 617.11 (d) (5): Compliance Demonstration
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- 190 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 191 6 NYCRR 617.11 (d) (5): Compliance Demonstration
- 192 6 NYCRR 617.11 (d) (5): Compliance Demonstration

**Emission Unit Level**



193 6 NYCRR 219-7.2: Compliance Demonstration  
194 6 NYCRR 219-7.2: 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: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and





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

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

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

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

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

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

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

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

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

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

ii. The liability of a permittee of the Title V



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

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

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

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

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

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

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

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

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

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

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



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

**Item K: Permit Exclusion - ECL 19-0305**

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

**Item L: Federally Enforceable Requirements - 40 CFR 70.6 (b)**

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

**Condition 1: Acceptable Ambient Air Quality  
Effective between the dates of 05/02/2014 and 05/01/2019**

**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

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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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies 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). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 6: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**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.

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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 compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies 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). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

NYSDEC Region 9 Headquarters  
270 Michigan Avenue  
Buffalo, NY 14203-2915

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 1/30/2015.  
Subsequent reports are due on the same day each year



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**Condition 7: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**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.

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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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



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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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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

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(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 05/02/2014 and 05/01/2019**

**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 05/02/2014 and 05/01/2019**

**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

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**Condition 20: Recycling and Emissions Reduction**  
Effective between the dates of 05/02/2014 and 05/01/2019

**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: Compliance Certification**  
Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 21.1:**

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

**Item 21.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. If there is a failure of the air pollution control device treating the flue gas from a furnace, the refuse feed into the furnace shall be discontinued as soon as it becomes apparent that an emission limit(s) could be exceeded if the refuse is not discontinued.
  
2. The air pollution control device treating the flue gas from a furnace shall not be operated in the flue gas bypass mode at any time when combustible waste is contained in that furnace. Flue gas bypass of the air pollution control devices treating the flue gas from a furnace is permitted at any time during which only auxiliary fuel is being combusted in that furnace.

Record keeping of above incidences shall be maintained and submitted to the region 9 air pollution control engineer in the quarterly excess emissions report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 22: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 22.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001  
Process: AL3

Emission Point: 00001  
Emission Source: 00002

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Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: SPRA2
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001	Emission Point: 00001



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Process: MW4	Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: SPRA2

**Item 22.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Auxiliary burners shall be operated as necessary to maintain required furnace temperature and during the following events:

1. Furnace start-up prior to introduction of municipal solid waste into the furnace;

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2. Furnace shutdown when municipal solid waste feed has been discontinued until refuse is cleared from combustion chamber;
3. When processing marginally combustible waste, during periods of malfunction, or any other time when the furnace temperature requirement cannot otherwise be met.

Record keeping of the burners use during the above events shall be maintained at the site for department review.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 23: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 23.1:**

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2

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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

**Item 23.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Temperature of gases in combustion zone must be maintained at a minimum of 1800 degrees Fahrenheit (deg. F) for a residence time of not less than one second, or a time and temperature shown to be equivalent to 1800 degrees Fahrenheit at 1 second. The permittee shall demonstrate the compliance based on a continuous 30-minute rolling average of readings according to a method acceptable to the department.

Note: The 1800 deg. F furnace temperature is not applicable for a 14-day period following a boiler cleaning or outage in which the boiler tubes are cleaned. After cleaning the furnace, the DBA furnace/boiler would be started up on fossil fuel (either natural gas or oil) then shifted to solid waste after the boiler is placed on-line. On-line is defined as operating in a mode in which the steam output is similar to that of the other boiler which is burning solid waste (with a furnace temperature maintained above 1800 deg. F). The steam parameters that define an on-line boiler would be steam conditions suitable for the steam to be sent to the turbine (minimum steam temperature and pressure of approximately 635 deg. F and 950 psig, respectively).

Record keeping of the combustion zone temperature shall be maintained at the site for department review and any excursion of the value shall be reported to the Region 9 air pollution control engineer in the quarterly excess emissions report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 24: Compliance Certification**

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**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 24.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

**Item 24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The acid gas scrubber outlet temperature shall not exceed 30 degrees Fahrenheit above the maximum 4-hour block average temperature measured at the inlet to the baghouse

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during the most recent dioxins/furan test demonstrating compliance with the dioxins/furan emissions limits in this permit. Compliance with the temperature requirement shall be determined using procedures in 40 CFR Part 60, subpart Ea, section 60.58a(h) and must be acceptable to the commissioner.

Record keeping of the flue gas exit temperature shall be maintained at the site for department review and any excursion of the value shall be reported to the Region 9 air pollution control engineer in the quarterly excess emissions report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 25: Emission Unit Definition**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 25.1(From Mod 0):**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00001

Emission Unit Description:

This emission unit consists of a single emission point which is a flue from the exhaust of two DBA systems. The two systems are identical and independent up to the stack where the flues become common. The waste to energy systems are permitted to process wastes including household, commercial, and industrial non-hazardous wastes.

Building(s): STACK

**Item 25.2(From Mod 0):**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-110EF

Emission Unit Description:

This emission unit consists of four emission points (boilers) which are EP R1B01 (existing EFW1 reconfigured with low NOx burners or using existing burners if permit limits can be met and NOx CEMs installed), EP R1B02 (existing EFW2), EP 00003 (B-110), and EP BLR05 (new natural gas-fired boiler #5). Boilers EFW1, EFW2 and B-110 are permitted to combust fossil fuels (i.e., low sulfur distillate oil and natural gas). Boiler #5, which is equipped with a low-NOx burner and flue gas

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recirculation, is permitted to fire natural gas only. In addition, R1B02 is allowed combustion of alternate fuels (ALT) which consist primarily of waste wood.

Building(s): EFW12  
STEAM

**Item 25.3(From Mod 0):**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-ASHBD

Emission Unit Description:

This emission unit consists of a ventilation system for the ash loadout building.

Building(s): ALOBD

**Condition 26: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 26.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit from each furnace flue shall not exceed 0.3\*  
ng/dscm corrected to 7% O2 or 1.06E-07 lbs/hr, whichever  
is more stringent, for total polychlorinated  
dibenzo-p-dioxins and polychlorinated dibenzo furans  
(tetra-octa homologue groups as well as associated 2,3,7,8  
substituted congeners) expressed as 2,3,7,8  
tetrachlorinated dibenzo-para-dioxin equivalents using  
toxic equivalency factors listed in Part 219-1.1(b)(2).  
Compliance shall be based on stack testing using 40 CFR 60  
Appendix A, Method 23.

\* This is a maximum value not to be exceeded. The  
permittee shall employ best management practices with a  
goal towards minimization of dioxin emissions to a target  
value of 0.2 nanograms per dry standard cubic meter.

Parameter Monitored: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Upper Permit Limit: 0.3 nanograms per dry standard cubic  
meter (corrected to 7% O2)

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 27: Compliance Certification

Effective between the dates of 05/02/2014 and 05/01/2019

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 27.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: 00002



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 007439-97-6	MERCURY

**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1. Mercury emissions from each furnace flue shall not exceed the more stringent of:
  - A. 28 micograms/dscm corrected to 7% O<sub>2</sub>, unless uncontrolled mercury emissions are reduced by not less than 85%; or,
  - B. 0.064 lb/hr; or,
  - C. Emission limits as specified in 40 CFR 60 Subpart



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Cb, Section 33b(a)(3).

Compliance with mercury emission limits shall be based on annual stack test by USEPA test Method 29 (40 CFR 60, Appendix A), and must be acceptable to the commissioner.

2. The permittee shall install, operate and maintain a carbon adsorption injection system or other system for the control of mercury emissions from each furnace. The mercury control system shall include a method to monitor the flow rate of the adsorbing agent or chemical reactant.

Note: Facility must demonstrate that carbon feed rates equal or exceed the level(s) documented during the recent performance tests or are adequate to maintain compliance with mercury emission limits. Averaging method for carbon feed rate shall be a 6 - hour block (arithmetic average).

Parameter Monitored: MERCURY

Upper Permit Limit: 0.064 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 28: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 28.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001  
Process: AL3

Emission Point: 00001  
Emission Source: 00002

Emission Unit: U-00001  
Process: AL3

Emission Point: 00001  
Emission Source: CARB1

Emission Unit: U-00001  
Process: AL3

Emission Point: 00001  
Emission Source: DENOX

Emission Unit: U-00001  
Process: AL3

Emission Point: 00001  
Emission Source: FABRI

Emission Unit: U-00001  
Process: AL3

Emission Point: 00001  
Emission Source: INCIN

Emission Unit: U-00001  
Process: AL3

Emission Point: 00001  
Emission Source: SPRAY

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Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: SPRA2
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2

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Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: SPRA2

**Item 28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall maintain hourly averages for the following operating parameters for each of the DBA boilers;

- 1) injection rate of chemical reactant (i.e. carbon) as adsorbing reagent for mercury control (pounds per hour)
- 2) steam temperature (deg F), steam pressure (psig) and steam flow (k lbs per hour)
- 3) auxiliary fuel use (mmscf or gallons per hour, as applicable)
- 4) average pressure drop across each compartment of the baghouse fabric filter (inches of wc) and also the inlet and outlet of the entire baghouse fabric filter (inches of wc)
- 5) number of compartments of the baghouse fabric filter in use
- 6) average temperature (deg F) of both the inlet and outlet of the acid gas control device
- 7) average pressure drop across the acid gas control

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device (inches wc)  
8 water (gallons per hour) and reagent chemicals (pounds per hour) used in the acid gas control device

Note: Data acquisition records or manual logs shall be maintained at the site for department review.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 29: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 29.1:**

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007440-43-9      CADMIUM

**Item 29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Cadmium emissions from each furnace flue shall not exceed the more stringent of:

- A. 3.43E-03 lb/hr; or,
- B. The emission limit specified in 40 CFR 60.33b(a)(2)(i), NSPS Subpart Cb.

Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner.

Parameter Monitored: CADMIUM  
Upper Permit Limit: 3.43E-03 pounds per hour  
Reference Test Method: 40 CFR 60 App A RM29  
Monitoring Frequency: ANNUALLY  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 30: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 30.1:**

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

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: 00002

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: CARB1

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: DENOX

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: FABRI



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 30.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emissions from each furnace flue shall not exceed 29 ppm<sub>dv</sub> corrected to 7% O<sub>2</sub>, based on the geometric mean of the hourly arithmetic average emission rates during each twenty-four hour daily period (12:00 midnight to the following midnight), unless uncontrolled emissions are reduced by 80 percent or more. If the permittee, based on historical data, can continuously meet the sulfur dioxide concentration (29 ppm<sub>dv</sub> corrected to 7% oxygen) emission limit, then the permittee can request that the Department waive the requirements for the annual relative accuracy test audit (RATA) and the quarterly cylinder gas audits for the scrubber inlet (boiler outlet) sulfur dioxide monitor. The waiver request can be made for the permit period and must be approved by the Department.

Compliance shall be based on CEMs in accordance with 40 CFR 60 Appendices B and F. Excess emissions are to be reported.

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Manufacturer Name/Model Number: Thermoenvironmental 43C or equivalent

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 29.0 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 App A RM6C

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 31: Progress Reports Due Semiannually**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

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

**Item 31.1:**

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 32: Air pollution prohibited**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 32.1:**

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 33: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Part 212**

**Item 33.1:**

The Compliance Certification activity will be performed for the Facility.

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**Item 33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The two DBA boilers are permitted to receive, process and combust municipal solid waste, nonhazardous commercial waste, C&D Debris and other nonhazardous industrial waste (NHIW). NHIW is approved by NYSDEC on a case-by-case basis in accordance with the facility's Part 360 Solid Waste Management Permit. The average daily charging rate of NHIW shall not exceed 5% by weight above the target NHIW daily facility charging rate. The target NHIW daily facility charging rate represents the calendar month average of NHIW received, processed and combusted during which the annual compliance stack tests are conducted as required by this Title V permit. As of the date of Title V Renewal 2 permit issuance from stack testing conducted in June 2012, the target NHIW daily facility charging rate is 25.3%. The average daily total facility charging rate is determined from the calendar month total of all wastes received divided by the number of days in the month. The average daily NHIW charging rate is the monthly total of NHIW received, processed and combusted divided by the number of days in the month. The percentage of the daily average NHIW is determined monthly by dividing the average daily charging rate of NHIW by the average daily total facility charging rate. A new target NHIW daily facility charging rate will be determined annually from the annual stack tests for the DBA boilers which will include verification of compliance with all applicable permit emission limits, including all listed metals and dioxin and furans. Prior to the compliance stack test, the facility will inform the Department as to the intended target NHIW daily charging rate and the NHIW available for combustion during stack testing. The type and rate of NHIW processed during compliance stack tests shall be reflective of normal operating days. The target NHIW daily charging feed rate must remain at the previously approved rate until the results of the stack tests have been received and approved by the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).



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**Condition 34: Compliance Certification**

Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement:6 NYCRR 212.4 (b)**

**Item 34.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

**Item 34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined hydrogen fluoride emissions from the two DBA boilers (emission point 00001) and the EFW boiler No. 2 (emission point R1BO2) are limited to 11 tons per year based on a 12-month rolling average. Compliance will be based on the annual stack test and hours of operation for each boiler. Excess emissions are to be reported.

The hours of operation of each boiler must be recorded daily and reported to the Department in a quarterly report. The 12-month rolling average hydrogen fluoride emission rate for the facility for each month must be reported to the Department in the same report. The Department will accept this data in the quarterly Fuels Summary report.

Reference Test Method: METHOD 26A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 35: Compliance Certification**

Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement:6 NYCRR 225-1.2 (b)**

**Item 35.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:



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Owners and/or operators of any stationary combustion installation that fires oil with a total heat input greater than 250 million Btu per hour\* are limited to the firing of oil with a sulfur content of 1.50% sulfur through June 30, 2014.

\* Please note that if two or more emission sources are exhausted through a common emission point, the total heat input for such an emission point is either the sum of the maximum operating heat inputs of all emission sources which are operated simultaneously and exhausted through the common emission point, or the maximum operating heat input of any individual emission source operated independently and connected to the common emission point, whichever is greater.

The facility must maintain any records on-site for a minimum of five years.

Manufacturer Name/Model Number: SO2 CEM  
Parameter Monitored: SULFUR DIOXIDE  
Upper Permit Limit: 1.50 percent by weight  
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 7/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 36: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR 225-1.2 (h)**

**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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and

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must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.0015 percent by weight  
Monitoring Frequency: PER DELIVERY  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 37: NOx Ozone Season Budget**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 243-1**

**Item 37.1:**

1) As of midnight of November 30, or midnight of the first business day thereafter if November 30 is not a business day, the owners and operators shall hold, in their compliance account, CAIR NOx ozone season allowances available for compliance deductions for the previous control period (May 1 through September 30), in an amount not less than the total tons of nitrogen oxides emissions from all CAIR NOx ozone season units at the source during that control period.

(2) A CAIR NOx ozone season allowance shall not be deducted, for compliance with the requirements under paragraph (1) of this section, for a control period in a calendar year before the year for which the CAIR NOx ozone season allowance was allocated.

(3) 'Excess emissions requirements.' If a CAIR NOx ozone season source emits nitrogen oxides during any control period in excess of the CAIR NOx ozone season emissions limitation, the owners and operators of the source and each CAIR NOx ozone season unit at the source shall surrender the CAIR NOx ozone season allowances required for deduction under 6NYCRR Part 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this permit, the Act, and applicable State law.

(4) Unless otherwise provided, the owners and operators of the CAIR NOx ozone season source and each CAIR NOx ozone season unit shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator:

(i) The certificate of representation under 6NYCRR Part 243-2.4 for the CAIR NOx ozone season designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents

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shall be retained on site at the source beyond such five year period until such documents are superseded because of the submission of a new certificate of representation under 6NYCRR Part 243-2.4 changing the CAIR NOx ozone season designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 234-8, provided that to the extent that 6NYCRR Part 243-8 provides for a three year period for recordkeeping, the three year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOx Ozone Season Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOx Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NOx Ozone Season Trading Program.

**Condition 38: Permit Requirements**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 243-1.6 (a)**

**Item 38.1:**

The CAIR designated representative of each CAIR NOx Ozone Season source shall:

- (i) submit to the department a complete CAIR permit application under section 243-3.3 in accordance with the deadlines specified in section 243-3.2; and
- (ii) submit in a timely manner any supplemental information that the department determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

The owners and operators of each CAIR NOx Ozone Season source shall have a CAIR permit issued by the department under Subpart 243-3 for the source and operate the source and the unit in compliance with such CAIR permit.

**Condition 39: Monitoring requirements**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 243-1.6 (b)**

**Item 39.1:**

The emissions measurements recorded and reported in accordance with Subpart 243-8 shall be used to determine compliance by each CAIR NOx Ozone Season source with the CAIR NOx Ozone Season emissions limitation under subdivision (c) of this section.

**Condition 40: NOx Ozone Season Emission Requirements**  
**Effective between the dates of 05/02/2014 and 05/01/2019**



**Applicable Federal Requirement:6 NYCRR 243-1.6 (c)**

**Item 40.1:**

As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NOx Ozone Season allowances available for compliance deductions for the control period under section 243-6.5(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NOx Ozone Season units at the source, as determined in accordance with Subpart 243-8. The CAIR NOx ozone season is the period beginning May 1 of a calendar year, except as provided in section 243-1.6(c)(2), and ending on September 30 of the same year, inclusive.

A CAIR NOx Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under sections 243-8.1(b)(1), (2), (3), or (7) and for each control period thereafter.

A CAIR NOx Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NOx Ozone Season allowance was allocated.

CAIR NOx Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NOx Ozone Season Allowance Tracking System accounts in accordance with Subparts 243-6, 243-7, and 243-9.

A CAIR NOx Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOx Ozone Season Trading Program. No provision of the CAIR NOx Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under section 243-1.5 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

A CAIR NOx Ozone Season allowance does not constitute a property right.

Upon recordation by the Administrator under Subpart 243-6, 243-7, or 243-9, every allocation, transfer, or deduction of a CAIR NOx Ozone Season allowance to or from a CAIR NOx Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

**Condition 41: Excess emission requirements**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 243-1.6 (d)**

**Item 41.1:**

If a CAIR NOx Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NOx Ozone Season emissions limitation, then:

(1) the owners and operators of the source and each CAIR NOx Ozone Season unit at the source shall surrender the CAIR NOx Ozone Season allowances required for deduction under section 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law; and



(2) each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

**Condition 42: Recordkeeping and reporting requirements**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 243-1.6 (e)**

**Item 42.1:**

Unless otherwise provided, the owners and operators of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator.

(i) The certificate of representation under section 243-2.4 for the CAIR designated representative for the source and each CAIR NO<sub>x</sub> Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under section 243-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with Subpart 243-8, provided that to the extent that Subpart 243-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO<sub>x</sub> Ozone Season Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO<sub>x</sub> Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NO<sub>x</sub> Ozone Season Trading Program.

**Condition 43: CAIR Representative**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 243-2**

**Item 43.1:**

1) Each Clean Air Interstate Rule (CAIR) NO<sub>x</sub> source shall have one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 243-2.2, with regard to all matters under the CAIR NO<sub>x</sub> Ozone Season Trading Program. The CAIR designated representative shall be selected by an agreement binding on the owners and operators of the source and act in accordance with the certification statement in 6NYCRR Part 243-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 243-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NO<sub>x</sub> Ozone Season source represented in all matters pertaining to the CAIR NO<sub>x</sub> Ozone Season Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be



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bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source. [243-2.1(a), (b) & (c)]

(2) Each submission under the CAIR NOx Ozone Season Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NOx Ozone Season source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment." [243-2.1(e)]

**Condition 44: Authorization and responsibilities of CAIR designated representative**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 243-2.1**

**Item 44.1:**

Except as provided under section 243-2.2, each CAIR NOx Ozone Season source, including all CAIR NOx Ozone Season units at the source, shall have one and only one CAIR designated representative, with regard to all matters under the CAIR NOx Ozone Season Trading Program concerning the source or any CAIR NOx Ozone Season unit at the source.

The CAIR designated representative of the CAIR NOx Ozone Season source shall be selected by an agreement binding on the owners and operators of the source and all CAIR NOx Ozone Season units at the source and shall act in accordance with the certification statement in section 243-2.4(a)(4)(iv).

Upon receipt by the Administrator of a complete certificate of representation under section 243-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx Ozone Season source represented and each CAIR NOx Ozone Season unit at the source in all matters pertaining to the CAIR NOx Ozone Season Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.

No CAIR permit will be issued, no emissions data reports will be accepted, and no CAIR NOx Ozone Season Allowance Tracking System account will be established for a CAIR NOx Ozone Season unit at a source, until the Administrator has received a complete certificate of representation under section 243-2.4 for a CAIR designated representative of the source and the CAIR NOx Ozone Season units at the source.

Each submission under the CAIR NOx Ozone Season Trading Program shall be submitted,



signed, and certified by the CAIR designated representative for each CAIR NOx Ozone Season source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

**Condition 45: Certificate of representation**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 243-2.4**

**Item 45.1:**

Unless otherwise required by the department or the Administrator, documents of agreement referred to in the certificate of representation shall not be submitted to the department or the Administrator. Neither the department nor the Administrator shall be under any obligation to review or evaluate the sufficiency of such documents, if submitted.

**Condition 46: Monitoring and reporting NOx emissions**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 243-8**

**Item 46.1:**

Monitoring and Reporting NOx emissions

(1) The owners and operators, and to the extent applicable, the CAIR designated representative shall comply with all recordkeeping and reporting requirements in this condition, the applicable recordkeeping and reporting requirements under 40 CFR 75, and the requirements of 6NYCRR Part 243-2.1(e)(1).

(2) The CAIR designated representative shall submit quarterly reports of the the NOx mass emissions data and heat input data for each CAIR NOx unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the calendar quarter covering January 1, 2008 through March 31, 2008.

(3) The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

(4) For CAIR Nox Ozone Season units that are also subject to an Acid Rain





emissions

limitation or the CAIR NOx Annual Trading Program, CAIR SO2 Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NOx mass emission data, heat input data, and other information required by this Subpart.

(5) 'Compliance certification.' The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of 6NYCRR Part 243 and 40 CFR Part 75, including the quality assurance procedures and specifications; and

(ii) for a unit with add-on NOx emission controls and for all hours where NOx data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate NOx emissions.

(6) Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR part 75, data shall be substituted using the applicable missing data procedures in Subpart D or Subpart H of, or appendix D or appendix E to 40 CFR part 75. [ 243-8.3(a) ]

(7) Whenever the owner or operator makes a replacement, modification, or change in any certified continuous emission monitoring system under 6NYCRR Part 243-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record NOx mass emissions or heat input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify each continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the

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sampling probe or site. Any fuel flowmeter system, and any excepted NOx monitoring system under appendix E to 40 CFR part 75, under 6NYCRR Part 243-8.1(a)(1) are subject to the recertification requirements in 40 CFR 75.20(g)(6).

**Condition 47: General requirements**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 243-8.1**

**Item 47.1:**

The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NOx Ozone Season unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in section 243-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR NOx Ozone Season unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 243-1.2. The owner or operator of a unit that is not a CAIR NOx Ozone Season unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR NOx Ozone Season unit.

'Requirements for installation, certification, and data accounting.' The owner or operator of each CAIR NOx Ozone Season unit shall:

- (1) install all monitoring systems required under this Subpart for monitoring NOx mass emissions and individual unit heat input (including all systems required to monitor NOx emission rate, NOx concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 40 CFR 75.72);
- (2) successfully complete all certification tests required under section 243-8.2 and meet all other requirements of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraph 243-8.1(a)(1); and
- (3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

**Condition 48: Prohibitions**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 243-8.1**

**Item 48.1:**

No owner or operator of a CAIR NOx Ozone Season unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this Subpart without having obtained prior written approval in accordance with section 243-8.6.

No owner or operator of a CAIR NOx Ozone Season unit shall operate the unit so as to discharge, or allow to be discharged, NOx emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part



75.

No owner or operator of a CAIR NO<sub>x</sub> Ozone Season unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO<sub>x</sub> mass emissions discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NO<sub>x</sub> Ozone Season unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this Subpart, except under any one of the following circumstances:

- (i) during the period that the unit is covered by an exemption under section 243-1.5 that is in effect;
- (ii) the owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part 75, by the department for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or
- (iii) the CAIR designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with section 243-8.2(d)(3)(i).

**Condition 49: Out of control periods**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR 243-8.3**

**Item 49.1:**

Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in Subpart D or Subpart H of, or appendix D or appendix E to, 40 CFR Part 75.

**Condition 50: Quarterly reports**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR 243-8.5 (d)**

**Item 50.1:**

The CAIR designated representative shall submit quarterly reports, as follows:

If the CAIR NO<sub>x</sub> Ozone Season unit is subject to an Acid Rain emissions limitation or a CAIR NO<sub>x</sub> emissions limitation or if the owner or operator of such unit chooses to report on an annual basis under this Subpart, the CAIR designated representative shall meet the requirements of Subpart H of 40 CFR Part 75 (concerning monitoring of NO<sub>x</sub> mass emissions) for such unit for the entire year and shall report the NO<sub>x</sub> mass emissions data and heat input data for such unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with:

- (i) for a unit that commences commercial operation before July 1, 2007, the calendar quarter covering May 1, 2008 through June 30, 2008;

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(ii) for a unit that commences commercial operation on or after July 1, 2007, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 243-8.1(b), unless that quarter is the third or fourth quarter of 2007 or the first quarter of 2008, in which case reporting shall commence in the quarter covering May 1, 2008 through June 30, 2008.

The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

For CAIR NO<sub>x</sub> Ozone Season units that are also subject to an Acid Rain emissions limitation or the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NO<sub>x</sub> mass emission data, heat input data, and other information required by this Subpart.

**Condition 51: Compliance certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 243-8.5 (e)**

**Item 51.1:**

The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(1) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications;

(2) for a unit with add-on NO<sub>x</sub> emission controls and for all hours where NO<sub>x</sub> data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate NO<sub>x</sub> emissions; and

(3) for a unit that is reporting on a control period basis under subparagraph (d)(2)(ii) of this section, the NO<sub>x</sub> emission rate and NO<sub>x</sub> concentration values substituted for missing data under Subpart D of 40 CFR Part 75 are calculated using only values from a control period and do not systematically underestimate NO<sub>x</sub> emissions.

**Condition 52: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(j)(2), Subpart A**

**Item 52.1:**

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

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Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007439-92-1 LEAD

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Lead emissions from each furnace flue shall not exceed the more stringent of:

- A. 2.77E-02 lb/hr; or,
- B. The emission limit specified in 40 CFR 60.33b(a)(2)(iii), NSPS Subpart Cb.

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Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner.

Parameter Monitored: LEAD

Upper Permit Limit: 2.77E-02 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 53: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(j)(2), Subpart A**

**Item 53.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit limit for sulfur dioxide (SO2) from each furnace flue shall not exceed 104.4 lb/hr based on 3 hr rolling average. Continuous monitoring of SO2 is required using CEMS installed, maintained and operated in accordance with 40 CFR 60 Appendix B, Performance Specification 2 and Appendix F. Excess emissions are to be reported.

Manufacturer Name/Model Number: Thermoenvironmental 43C or equivalent

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 104.4 pounds per hour

Reference Test Method: PS2 & Method 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 54: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(j)(2), Subpart A**

**Item 54.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: 00002

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: CARB1

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: DENOX

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: FABRI

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Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NO<sub>x</sub> emissions from each furnace flue shall not exceed 140.25 lb/hr. Compliance shall be based on annual stack tests using 40CFR60, Appendix A, Methods 7A or 7E and 19; or the facility's continuous emissions monitoring system's (CEMS) data; or any equivalent method acceptable to the Commissioner.

If CEMS data is to be used to provide mass emissions compliance data in place of intermittent stack tests, the CEMS must have completed three quarterly cylinder gas audits and an annual relative accuracy test audit (RATA) for the time period between the last compliance test and the present one. Additionally, the CEMS must have valid data for at least 90% of the hours of operation per quarter and at least 95% of the operational hours per year.

Manufacturer Name/Model Number: TECO 42C, or equivalent  
Parameter Monitored: OXIDES OF NITROGEN



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Upper Permit Limit: 140.25 pounds per hour  
Reference Test Method: 40 CFR 60 App A RM7A or 7E & 19  
Monitoring Frequency: ANNUALLY  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 55: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A**

**Item 55.1:**

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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Regulated Contaminant(s):  
CAS No: 007440-41-7      BERYLLIUM

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for beryllium is 8.58E-05 lb/hr from each furnace flue. Compliance stack testing for beryllium, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: BERYLLIUM

Upper Permit Limit: 8.58E-05 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 56:      Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(j)(2), Subpart A**

**Item 56.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Regulated Contaminant(s):  
CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Composite sulfur dioxide emissions from the two (2) furnace flues shall not exceed 298 tons per year as determined by continuous monitoring. The individual mass emissions corresponding to each furnace must be totalized using the hourly arithmetic average emission rates during each twenty-four hour daily period (12:00 midnight to the following midnight). The composite sulfur dioxide emission limit of 298 tons per year shall be based on a

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rolling 365 day aggregate of totalized daily emissions. Exceedance of this limit shall be reported in the quarterly excess emissions report.

The permittee shall install, operate and maintain a system for the continuous measurement and recording of the SO2 mass emission rate from each furnace to demonstrate compliance with the above stated condition. This system shall include either (a) a flow monitor for each furnace meeting the requirements of 40 CFR Part 75 or other certification procedures acceptable to the Department or USEPA; or, (b) any other method deemed acceptable by the Department or the USEPA, including but not limited to procedures developed in conformance with 40 CFR 60, Appendix A, Method 19, to determine individual SO2 mass emissions from each furnace. CEMS shall be installed, maintained and operated in accordance with 40 CFR 60, Appendix B, Performance Specification 2 and Appendix F.

Manufacturer Name/Model Number: Thermoenvironmental 43C or equivalent
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 298.0 tons per year
Reference Test Method: See Description
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 3 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 05/02/2014 and 05/01/2019

Applicable Federal Requirement:40CFR 52.21(j)(2), Subpart A

Item 57.1:

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

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include MW3 processes at various points and sources like CARB1, DENOX, and FABRI.

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Process: MW3	Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
 CAS No: 000630-08-0 CARBON MONOXIDE

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for carbon monoxide (CO) from each furnace flue shall not exceed 228.05 lbs/hr. Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 10; or the facility's continuous emissions monitoring system's (CEMS) data; or any equivalent method acceptable to the Commissioner.

If CEMS data is to be used to provide mass emissions compliance data in place of intermittent stack tests, the CEMS must have completed three quarterly cylinder gas audits and an annual relative accuracy test audit (RATA) for the time period between the last compliance test and the present one. Additionally, the CEMS must have valid data for at least 90% of the hours of operation per quarter and at least 95% of the operational hours per year.

Parameter Monitored: CARBON MONOXIDE  
 Upper Permit Limit: 228.05 pounds per hour  
 Reference Test Method: Method 10  
 Monitoring Frequency: ANNUALLY



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Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 58: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(j)(2), Subpart A**

**Item 58.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007446-09-5      SULFUR DIOXIDE

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**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for sulfur dioxide (SO2) from each furnace flue shall not exceed 104.4 lb/hr. Compliance shall be based on annual stack tests using 40 CFR 60 Appendix A, Method 6C and 19; or the facility's continuous emissions monitoring systems's (CEMS) data; or any equivalent method acceptable to the Commissioner.

If CEMS data is to be used to provide mass emissions compliance data in place of intermittent stack tests, the CEMS must have completed three quarterly cylinder gas audits and an annual relative accuracy test audit (RATA) for the time period between the last compliance test and the present one. Additionally, the CEMS must have valid data for at least 90% of the hours of operation per quarter and at least 95% of the operational hours per year.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 104.4 pounds per hour

Reference Test Method: 40 CFR 60 App A RM6C & 19

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 59: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(j)(2), Subpart A**

**Item 59.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: 00002

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: CARB1

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: DENOX

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: FABRI

Emission Unit: U-00001

Emission Point: 00001



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Process: MW3	Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007664-39-3      HYDROGEN FLUORIDE

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of fluoride (as hydrogen fluoride) from each furnace flue shall not exceed 1.16 lb/hr. Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 26A or any equivalent method acceptable to the Commissioner.

Parameter Monitored: HYDROGEN FLUORIDE

Upper Permit Limit: 1.16 pounds per hour

Reference Test Method: 40 CFR 60 App A RM26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 60: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A**

**Item 60.1:**

The Compliance Certification activity will be performed for the facility:

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The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

**Item 60.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for volatile organic compounds (VOC) shall not exceed of 20 ppm<sub>dv</sub> corrected to 7% O<sub>2</sub> from each furnace flue. Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 25A or any equivalent method acceptable to the Commissioner.



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Parameter Monitored: VOC

Upper Permit Limit: 20.0 parts per million by volume  
(dry, corrected to 7% O2)

Reference Test Method: 40 CFR 60 App A RM25A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 61: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(j)(2), Subpart A**

**Item 61.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001



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Process: MW4

Emission Source: SPRA2

Regulated Contaminant(s):

CAS No: 007440-38-2 ARSENIC

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for arsenic is 1.72E-03 lb/hr from each furnace flue. Compliance stack testing for arsenic, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: ARSENIC

Upper Permit Limit: 1.72E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 62: Compliance Certification**

Effective between the dates of 05/02/2014 and 05/01/2019

Applicable Federal Requirement:40CFR 52.21(j)(2), Subpart A

**Item 62.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: 00002

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: CARB1

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: DENOX

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: FABRI

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: INCIN

Emission Unit: U-00001

Emission Point: 00001



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Process: MW3	Emission Source: SPRAY
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: 10002
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: CARB2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: DNOX2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: FABR2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: SPRA2
Regulated Contaminant(s):	
CAS No: 007664-93-9	SULFURIC ACID

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Sulfuric acid mist emissions from each furnace flue shall not exceed 5.0 lbs/hr. Compliance testing to be conducted at the request of the Department using 40 CFR 60, Appendix A, Method 8 or any equivalent method acceptable to the Commissioner.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: 40 CFR 60 App A RM8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 63: Compliance Certification**

Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement:40CFR 52.21(j)(2), Subpart A**

**Item 63.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 0NY075-00-5 PM-10

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate (PM) emissions from each furnace flue shall not exceed 0.010 gr/dscf corrected to 7% O<sub>2</sub> or 11.2 lb/hr whichever is more stringent. Compliance with the PM emission limitation shall also be considered as compliance with particulate emissions less than 10 microns in diameter (PM<sub>10</sub>). Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 5 or any equivalent method acceptable to the Commissioner.



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Parameter Monitored: PM-10

Upper Permit Limit: 0.01 grains per dry standard cubic  
foot (corrected to 7% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 App A RM5

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 64: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A**

**Item 64.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Composite carbon monoxide (CO) emissions from the two (2) furnace flues shall not exceed 274 tons per year as determined by continuous monitoring. The individual mass emissions corresponding to each furnace must be totalized using the hourly arithmetic average emission rates during each twenty-four hour daily period (12:00 midnight to the following midnight). The composite CO emission limit of 274 tons per year shall be based on a rolling 365 day aggregate of totalized daily emissions. Excess emissions are to be reported.

The permittee shall install, operate and maintain a system for the continuous measurement and recording of the CO mass emission rate from each furnace flue to demonstrate compliance with the above stated condition. This system shall include either (a) a flow monitor for each furnace meeting the requirements of 40 CFR Part 75 or other certification procedures acceptable to the Department or USEPA; or, (b) any other method deemed acceptable by the Department or the USEPA, including but not limited to procedures developed in conformance with 40 CFR 60, Appendix A, Method 19, to determine individual CO mass emissions from each furnace. CEMS shall be installed,

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maintained and operated in accordance with 40 CFR 60  
Appendix B, Performance Specification 4 and Appendix F.

Manufacturer Name/Model Number: TECO Model 48 C or equivalent  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 274 tons per year  
Reference Test Method: See Description  
Monitoring Frequency: CONTINUOUS  
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 65: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 40CFR 60.36b, NSPS Subpart Cb**

**Item 65.1:**

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

**Item 65.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Discharge to the atmosphere of visible emissions of combustion ash from the ash conveying system (including conveyor transfer points) may not exceed 5 percent of the observation period (i.e. 9 minutes per 3-hour period), as determined by EPA Reference Method 22 observations. This emission limit does not cover visible emissions discharged inside buildings or enclosures of ash conveying systems; however, it does cover visible emissions discharged to the atmosphere from buildings or enclosures of ash conveying systems. This emission limit does not apply during maintenance and repair of ash conveying systems.

Parameter Monitored: OPACITY

Upper Permit Limit: 5 percent

Reference Test Method: EPA Ref. Method 22

Monitoring Frequency: ANNUALLY

Averaging Method: 9 MINUTES PER 3-HOUR PERIOD

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 66: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.39b(a), NSPS Subpart Cb**

**Item 66.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: 00002

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: CARB1

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: DENOX

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Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

**Item 66.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Permittee shall comply with the reporting and recordkeeping requirements listed in §60.59b of Subpart Eb, as applicable, excluding the siting requirements under §60.59b(a), (b)(5), and (d)(11).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 67: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart III**

**Item 67.1:**

The Compliance Certification activity will be performed for the Facility.



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Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 0NY075-00-0	PARTICULATES
CAS No: 0NY508-00-0	40 CFR 60 SUBPART IIII - NMHC + NOX

**Item 67.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall submit a compliance and monitoring plan to the department no later than six months after the date of permit issuance to document the requirements of 40 CFR 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The plan shall include for each affected engine the applicable: (1) compliance date, (2) emission and operating limitations, (3) testing and initial compliance requirements, (4) continuous compliance requirements, and (5) notifications, reports and records.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 68: Affected source**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 63.7490(a), Subpart DDDDD**

**Item 68.1:**

The affected source is the collection of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory and each new or reconstructed industrial, commercial, or institutional boiler or process heater.

**Condition 69: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 63.7550(b), Subpart DDDDD**

**Item 69.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 69.2:**

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 postmarked 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 postmarked 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 postmarked 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 postmarked or submitted no later than January 31.

**Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION**

**Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION**



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**Condition 70: Compliance Certification**

Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement:40CFR 63, Subpart ZZZZ**

**Item 70.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

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:

The facility shall submit a compliance and monitoring plan to the department no later than six months after the date of permit issuance to document the requirements of 40 CFR 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). The plan shall include, for each affected RICE, the applicable: (1) compliance date, (2) emission and operating limitations, (3) testing and initial compliance requirements, (4) continuous compliance requirements, and (5) notifications, reports and records.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

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

**Condition 71: Emission Point Definition By Emission Unit**

Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 71.1(From Mod 0):**

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 396

Diameter (in.): 138

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NYTMN (km.): 4777.866 NYTME (km.): 173.789 Building: STACK

Item 71.2(From Mod 0):

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

Emission Unit: U-110EF

Emission Point: 00003
Height (ft.): 150 Diameter (in.): 120
NYTMN (km.): 4777.83 NYTME (km.): 173.61 Building: BLR50

Emission Point: BLR05
Height (ft.): 190 Diameter (in.): 64
NYTMN (km.): 4777.82 NYTME (km.): 173.629 Building: STEAM

Emission Point: R1B01
Height (ft.): 210 Diameter (in.): 120
NYTMN (km.): 4777.853 NYTME (km.): 173.767 Building: EFW12

Emission Point: R1B02
Height (ft.): 210 Diameter (in.): 120
NYTMN (km.): 4777.853 NYTME (km.): 173.767 Building: EFW12

Item 71.3(From Mod 0):

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

Emission Unit: U-ASHBD

Emission Point: 00006
Height (ft.): 20 Length (in.): 48 Width (in.): 24
NYTMN (km.): 4777.866 NYTME (km.): 173.694 Building: ALOBD

Condition 72: Process Definition By Emission Unit
Effective between the dates of 05/02/2014 and 05/01/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 72.1(From Mod 0):

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

Emission Unit: U-00001
Process: AL3 Source Classification Code: 5-01-001-02
Process Description:

This process represents all operating scenarios (that is start-up, shut down, malfunctions and combustion of municipal solid waste) for the long term emission limits (tons per year). The facility shall comply with the emission limits associated with this process.

Note: auxiliary fuel - the facility uses natural gas as an auxiliary fuel. Natural gas is used during startup to warm the unit up to the minimum required combustion zone

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temperature before introducing solid waste into the furnace and during the transition period before the combustion is fully sustained by solid waste. Natural gas is used as an auxiliary fuel during shutdown in order to maintain minimum combustion zone temperature until solid waste is burned off the grates. Auxiliary fuel is also used during periods of upset and any other time the furnace temperature/residence time requirements would not otherwise be met.

Note: startup - startup period begins when the unit's feed chute damper is opened and continuous burning of solid waste has commenced, and does not include any warm up period.

Note: shutdown - the shutdown period at the facility commences when a unit's ram feeder is shut (this is the time at which continuous feeding is ceased). Shutdown of a unit is complete when solid waste is burned off the grates. The operator verifies that the shutdown is complete by visually inspecting the grates to make sure the fires are out.

(Note: This process replaced process AL1 on 04/18/2008.)

Emission Source/Control: CARB1 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: DENOX - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION  
(SNCR)

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

Emission Source/Control: SPRAY - Control  
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 00002 - Incinerator  
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

Emission Source/Control: INCIN - Incinerator  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 72.2(From Mod 0):**

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

Emission Unit: U-00001



Process: AL4 Source Classification Code: 5-01-001-02  
Process Description:

This process represents all operating scenarios (that is start-up, shut down, malfunctions and combustion of municipal solid waste) for the long term emission limits (tons per year). The facility shall comply with the emission limits associated with this process.

Note: auxiliary fuel - the facility uses natural gas as an auxiliary fuel. Natural gas is used during startup to warm the unit up to the minimum required combustion zone temperature before introducing solid waste into the furnace and during the transition period before the combustion is fully sustained by solid waste. Natural gas is used as an auxiliary fuel during shutdown in order to maintain minimum combustion zone temperature until solid waste is burned off the grates. Auxiliary fuel is also used during periods of upset and any other time the furnace temperature/residence time requirements would not otherwise be met.

Note: startup - startup period begins when the unit's feed chute damper is opened and continuous burning of solid waste has commenced, and does not include any warm up period.

Note: shutdown - the shutdown period at the facility commences when a unit's ram feeder is shut (this is the time at which continuous feeding is ceased). Shutdown of a unit is complete when solid waste is burned off the grates. The operator verifies that the shutdown is complete by visually inspecting the grates to make sure the fires are out.

(Note: This process replaced process AL1 on 04/18/2008.)

Emission Source/Control: CARB2 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: DNOX2 - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION  
(SNCR)

Emission Source/Control: FABR2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: SPRA2 - Control  
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 10002 - Incinerator  
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID



WASTE

Emission Source/Control: INCI2 - Incinerator  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 72.3(From Mod 0):**

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

Emission Unit: U-00001  
Process: MW3 Source Classification Code: 5-01-001-02  
Process Description:

This process involves the combustion of solid wastes which include residential, commercial and industrial non-hazardous wastes by a DBA system. All wastes are combusted for the purpose of disposal and energy recovery. For periods of startup, shutdown, or malfunction, the facility will utilize the procedures in 40 CFR 60.58a(a) as well as 40 CFR 60.58b(a)(1) to assess compliance. Also the malfunction and emergency defense provisions of 6 NYCRR Parts 201-1.4 and 201-1.5 apply to the facility.

(Note: This process replaced process MSW on 04/18/2008.)

Emission Source/Control: CARB1 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: DENOX - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION  
(SNCR)

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

Emission Source/Control: SPRAY - Control  
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 00002 - Incinerator  
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

Emission Source/Control: INCIN - Incinerator  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 72.4(From Mod 0):**

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



Emission Unit: U-00001  
Process: MW4 Source Classification Code: 5-01-001-02  
Process Description:

This process involves the combustion of solid wastes which include residential, commercial and industrial non-hazardous wastes by a DBA system. All wastes are combusted for the purpose of disposal and energy recovery. For periods of startup, shutdown, or malfunction, the facility will utilize the procedures in 40 CFR 60.58a(a) as well as 40 CFR 60.58b(a)(1) to assess compliance. Also the malfunction and emergency defense provisions of 6 NYCRR Parts 201-1.4 and 201-1.5 apply to the facility.

(Note: This process replaced process MSW on 04/18/2008.)

Emission Source/Control: CARB2 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: DNOX2 - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: FABR2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: SPRA2 - Control  
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 10002 - Incinerator  
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Emission Source/Control: INCI2 - Incinerator  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

**Item 72.5(From Mod 0):**

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

Emission Unit: U-00001  
Process: ST3 Source Classification Code: 1-02-006-01  
Process Description:

This process is for the start up, shut down and malfunctions situation. Fossil fuels (natural gas and low sulfur distillate oil only) shall be used during the start up, shut down, and other upset conditions on an "as needed" basis.

(Note: This process replaced process STS on 04/18/2008.)



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Emission Source/Control: DENOX - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION  
(SNCR)

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

Emission Source/Control: SPRAY - Control  
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: INCIN - Incinerator  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 72.6(From Mod 0):**

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

Emission Unit: U-00001  
Process: ST4  
Source Classification Code: 1-02-006-01  
Process Description:

This process is for the start up, shut down and malfunctions situation. Fossil fuels (natural gas and low sulfur distillate oil only) shall be used during the start up, shut down, and other upset conditions on an "as needed" basis.

(Note: This process replaced process STS on 04/18/2008.)

Emission Source/Control: DNOX2 - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION  
(SNCR)

Emission Source/Control: FABR2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: SPRA2 - Control  
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: INCI2 - Incinerator  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 72.7(From Mod 0):**

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

Emission Unit: U-110EF  
Process: AL2  
Source Classification Code: 1-02-006-01  
Process Description:

This process represents all five processes for this

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emission unit (i.e., OIL, GAS, ALT, OAG and STH) combined for any particular contaminant listed in the process emission summary or emission unit compliance certification.

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control  
Control Type: COMBUSTION CHAMBER

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

**Item 72.8(From Mod 0):**

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

Emission Unit: U-110EF

Process: ALT

Source Classification Code: 1-02-009-01

Process Description:

This process involves the combustion of alternate fuels ( or the cofiring of natural gas and alternate fuels ) in emission point R1B02. During combustion of this process, simultaneous combustion of distillate fuel oil in emission point B-110, natural gas in emission point R1B01, natural gas in emission point BLR05, and solid waste in emission point 00001's two mass burn incinerators is permitted. Simultaneous firing of low sulfur distillate fuel oil in emission point R1B01 is prohibited. The type of alternate fuel that is processed shall be approved by NYSDEC Region 9 air pollution control engineer.

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control  
Control Type: COMBUSTION CHAMBER

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

**Item 72.9(From Mod 0):**

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

Emission Unit: U-110EF

Process: B5G

Source Classification Code: 1-02-006-01

Process Description:

This process involves the combustion of natural gas in emission point BLR05. The maximum continuous rating (MCR) of this boiler is 273 MMBtu/hr, with a peak firing rate of 105% of MCR (287 MMBtu/hr).

Emission Source/Control: BLR05 - Combustion

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Design Capacity: 273 million Btu per hour

Emission Source/Control: FGR05 - Control  
Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: LNB05 - Control  
Control Type: LOW NOx BURNER

**Item 72.10(From Mod 0):**

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

Emission Unit: U-110EF  
Process: GAS Source Classification Code: 1-02-006-01

Process Description:

This process involves the combustion of gas in any one or all of the three emission points (R1B01, R1B02 or B-110). Precipitator operation is not required when burning only gas.

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control  
Control Type: COMBUSTION CHAMBER

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

**Item 72.11(From Mod 0):**

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

Emission Unit: U-110EF  
Process: OAG Source Classification Code: 1-02-005-01

Process Description:

This process involves the combustion of low sulfur distillate oil and natural gas in the three existing fossil-fuel fired boilers (i.e., R1B01, R1B02 and B-110 for the emission unit U-110EF). All three boilers may operate simultaneously at their maximum rated heat input provided: 1) R1B01 fires natural gas and; 2) R1B02 fires either natural gas and/or alternate fuels when B-110 is firing low sulfur distillate oil. New boiler BLR05 may operate simultaneously with the other three boilers at its maximum rated heat input firing natural gas.

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control  
Control Type: COMBUSTION CHAMBER

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

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**Item 72.12(From Mod 0):**

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

Emission Unit: U-110EF

Process: OIL

Source Classification Code: 1-02-005-01

Process Description:

This process involves the combustion of low sulfur distillate oil in any one or all of the three emission points (R1B01, R1B02 or B-110).

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control

Control Type: COMBUSTION CHAMBER

Emission Source/Control: PARTI - Control

Control Type: ELECTROSTATIC PRECIPITATOR

**Item 72.13(From Mod 0):**

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

Emission Unit: U-110EF

Process: STH

Source Classification Code: 1-02-006-01

Process Description:

This process involves the start up, shut down, and upset conditions of emission unit U-110EF. Natural gas or low sulfur distillate oil is used to bring each boiler on-line and off-line. Precipitator operation is not required when natural gas or oil is fired. Boiler B-110 does not have a precipitator.

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control

Control Type: COMBUSTION CHAMBER

Emission Source/Control: PARTI - Control

Control Type: ELECTROSTATIC PRECIPITATOR

**Item 72.14(From Mod 0):**

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

Emission Unit: U-ASHBD

Process: VNT

Source Classification Code: 5-01-004-02

Process Description:

This process involves the operation of the ash loadout system.

Emission Source/Control: FILTR - Control

Control Type: FABRIC FILTER

Emission Source/Control: FILT1 - Process

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**Condition 73: Compliance Certification**

Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement: 40CFR 60.33b(a)(1)(i), NSPS Subpart**

**Cb**

**Item 73.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

**Item 73.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet an emission limit for particulate matter not to exceed 25 milligrams per dry standard cubic meter, corrected to 7 percent oxygen. Compliance will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Upper Permit Limit: 25 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: 40 CFR 60 App A RM5

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 74: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.33b(a)(1)(iii), NSPS Subpart**

**Cb**

**Item 74.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: 00001
Process: MW3	Emission Source: 00002
Emission Unit: U-00001	Emission Point: 00001
Process: MW3	Emission Source: CARB1
Emission Unit: U-00001	Emission Point: 00001
Process: MW3	Emission Source: DENOX
Emission Unit: U-00001	Emission Point: 00001
Process: MW3	Emission Source: FABRI
Emission Unit: U-00001	Emission Point: 00001
Process: MW3	Emission Source: INCIN
Emission Unit: U-00001	Emission Point: 00001



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Process: MW3	Emission Source: SPRAY
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: 10002
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: CARB2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: DNOX2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: FABR2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: SPRA2

**Item 74.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The emission limit for opacity exhibited by the gases discharged to the atmosphere from a designated facility must not exceed 10 percent (6-minute average). Compliance with this limit shall be demonstrated using a continuous opacity monitor (COM) operated in accordance with a quality assurance/ quality control protocol approved by the Department.

Parameter Monitored: OPACITY  
Upper Permit Limit: 10 percent  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 75: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.33b(a)(2)(i), NSPS Subpart**

**Cb**

**Item 75.1:**

The Compliance Certification activity will be performed for the facility:

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The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007440-43-9      CADMIUM

**Item 75.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet an emission limit for cadmium not to exceed 35 micrograms per dry standard cubic meter, corrected to 7 percent oxygen. Compliance will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for





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the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Upper Permit Limit: 35 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref Test Method

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 76: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.33b(a)(3), NSPS Subpart Cb**

**Item 76.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2

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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

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

**Item 76.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for mercury not to exceed 50 micrograms per dry standard cubic meter, corrected to 7 percent oxygen or, an 85 percent reduction by weight of the potential mercury emission concentration. Compliance with the emission concentration limit will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Upper Permit Limit: 50 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 77: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 40CFR 60.33b(a)(3), NSPS Subpart Cb**

**Item 77.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

**Item 77.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for mercury not to exceed 50 micrograms per dry standard cubic meter, corrected to 7 percent oxygen or, an 85 percent reduction by weight of the potential mercury emission concentration. Compliance with the latter (percent reduction) limit will be determined by conducting



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a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Lower Permit Limit: 85 percent reduction by weight  
(corrected to 7% O2, dry basis)

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 78: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.33b(a)(4), NSPS Subpart Cb**

**Item 78.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: DNOX2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007439-92-1 LEAD

**Item 78.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet an emission limit for lead not to exceed 400 micrograms per dry standard cubic meter, corrected to 7 percent oxygen. Compliance will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Upper Permit Limit: 400 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 79: Compliance Certification**

Effective between the dates of 05/02/2014 and 05/01/2019

Applicable Federal Requirement: 40CFR 60.33b(b)(3)(i), NSPS Subpart

Cb

**Item 79.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 007446-09-5	SULFUR DIOXIDE

**Item 79.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for sulfur dioxide not to exceed 29 parts per million by volume or 25 percent of the potential sulfur dioxide emission concentration (75-percent reduction by weight or volume), corrected to 7 percent oxygen (dry basis). Compliance with these limits is based on a 24-hour daily



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geometric mean. To demonstrate compliance with the emission limit the owner or operator of the facility shall install, calibrate, maintain and operate a continuous emissions monitor for sulfur dioxide according to a QA/QC plan approved by the Department.

Upper Permit Limit: 29 parts per million by volume (dry, corrected to 7% O2)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 80: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.33b(b)(3)(i), NSPS Subpart**

**Cb**

**Item 80.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for sulfur dioxide not to exceed 29 parts per million by volume or 25 percent of the potential sulfur dioxide emission concentration (75-percent reduction by weight or volume), corrected to 7 percent oxygen (dry basis). Compliance with these limits is based on a 24-hour daily geometric mean. To demonstrate compliance with the percent reduction limit the owner or operator of the facility shall install, calibrate, maintain and operate a continuous emissions monitor for sulfur dioxide according to a QA/QC plan approved by the Department

Lower Permit Limit: 75 percent reduction by weight or volume (corrected to 7% O2, dry basis)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 81: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.33b(b)(3)(ii), NSPS Subpart**

**Cb**

**Item 81.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: 00002





Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 007647-01-0	HYDROGEN CHLORIDE

**Item 81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for hydrogen chloride not to exceed 29 part per million by volume, corrected to 7 percent oxygen (dry basis) or, an 95 percent reduction by weight or volume of the potential hydrogen chloride emission concentration. Compliance with the emission concentration limit will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within



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180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Upper Permit Limit: 29 parts per million by volume (dry, corrected to 7% O2)

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 82: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.33b(b)(3)(ii), NSPS Subpart**

**Cb**

**Item 82.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007647-01-0      HYDROGEN CHLORIDE

**Item 82.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for hydrogen chloride not to exceed 29 part per million by volume, corrected to 7 percent oxygen (dry basis) or, an 95 percent reduction by weight or volume of the potential hydrogen chloride emission concentration. Compliance with the latter (percent reduction) limit will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Lower Permit Limit: 95 percent reduction by weight or volume (corrected to 7% O2, dry basis)

Monitoring Frequency: ANNUALLY  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 83: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.33b(c)(1)(iii), NSPS Subpart**

**Cb**

**Item 83.1:**

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

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Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 001746-01-6	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

**Item 83.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit which does not employ an electrostatic precipitator for emission controls is required to meet an emission concentration limit for dioxin/furan not to exceed 30 nanograms per dry standard cubic meter (total mass), corrected to 7 percent oxygen. Compliance with the limit will be determined by conducting a stack emission test according to a protocol and schedule



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approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Upper Permit Limit: 30 nanograms per dry standard cubic meter (total mass, corrected to 7% O2)

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 84: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.33b(d), NSPS Subpart Cb**

**Item 84.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: DNOX2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 84.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Each affected mass burn waterwall MWC unit which does not utilize a NOx emissions averaging plan is required to meet an emission concentration limit for NOx not to exceed 205 parts per million by volume, corrected to 7 percent oxygen (dry basis). Compliance with these limits is based on a 24-hour daily average. To demonstrate compliance with this requirement the owner or operator of the facility shall install, calibrate, maintain and operate a continuous emissions monitor for NOx according to a QA/QC plan approved by the Department.

Upper Permit Limit: 205 parts per million by volume  
(dry, corrected to 7% O2)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 85: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.34b(a), NSPS Subpart Cb**

**Item 85.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: 00002

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Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

**Item 85.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon monoxide emission limit for mass burn waterwall municipal waste combustor.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 100 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 86: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.34b(b), NSPS Subpart Cb**

**Item 86.1:**

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

**Item 86.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL





DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

An affected municipal waste combustor unit may not be operated at a steam load level exceeding 110 percent of the maximum demonstrated municipal waste combustor unit load (highest 4-hour block arithmetic average unit steam load, measured in pounds per hour) reached during the most recent performance test where compliance with the dioxin/furan emission limit was demonstrated) except as follows:

(1) During the annual dioxin/furan or mercury performance test and the 2 weeks preceding the annual dioxin/furan or mercury performance test, no municipal waste combustor unit load limit is applicable.

(2) The municipal waste combustor unit load limit may be waived in writing by the Department for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving municipal waste combustor performance or advancing the state-of-the-art for controlling municipal waste combustor emissions. The municipal waste combustor unit load limit continues to apply, and remains enforceable, until and unless the Department grants the waiver.

Parameter Monitored: STEAM OUTPUT

Upper Permit Limit: 110 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

Condition 87: Compliance Certification

Effective between the dates of 05/02/2014 and 05/01/2019

Applicable Federal Requirement: 40CFR 60.34b(b), NSPS Subpart Cb

Item 87.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: 00002

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: CARB1

Emission Unit: U-00001

Emission Point: 00001



Process: MW3	Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

**Item 87.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Each affected MWC unit will be required to operate at a temperature not to exceed 17 degrees Centigrade above the maximum demonstrated particulate matter control device temperature, as measured at the particulate matter control device inlet, during four consecutive hours (4-hour block arithmetic average) determined at the most recent dioxin/furan performance test demonstrating compliance with the applicable dioxin/furan limit, except as follows:

(1) During the annual dioxin/furan or mercury performance test and the 2 weeks preceding the annual dioxin/furan or mercury performance test, no particulate matter control device temperature limitations are applicable.

(2) The particulate matter control device temperature limits may be waived in writing by the Department for the



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purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving municipal waste combustor performance or advancing the state-of-the-art for controlling municipal waste combustor emissions. The temperature limits continue to apply, and remain enforceable, until and unless the Department grants the waiver.

Parameter Monitored: TEMPERATURE ABOVE CONTROL DEVICE TEMPERATURE

Upper Permit Limit: 17 degrees Centigrade (or Celsius)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 88: Operating Manual**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.35b, NSPS Subpart Cb**

**Item 88.1:**

This Condition applies to:

Emission Unit: U00001

Emission Point: 00001

Process: MW4

Emission Source: INCI2

**Item 88.1:**

This Condition applies to Emission Unit: U-00001 Emission Point: 00001

Process: MW3

Emission

Source: INCIN

**Item 88.2.3:**

The Permittee must develop and update on a yearly basis a site-specific operating manual that must, at a minimum, address the elements of municipal waste combustor unit operation specified below. This manual must be found acceptable by the Department.

- (1) A summary of the applicable standards under 40 CFR 60, Subpart Cb;
- (2) A description of basic combustion theory applicable to a municipal waste combustor;
- (3) Procedures for receiving, handling, and feeding municipal solid waste;
- (4) Municipal waste combustor unit startup, shutdown, and malfunction procedures;
- (5) Procedures for maintaining proper combustion air supply levels;
- (6) Procedures for operating the municipal waste combustor unit within the standards

established under 40 CFR 60, Subpart Cb;



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Mechanical Engineers on or before October 5, 1998.

**Condition 90: Compliance Certification**

Effective between the dates of 05/02/2014 and 05/01/2019

Applicable Federal Requirement: 40CFR 60.35b, NSPS Subpart Cb

**Item 90.1:**

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

**Item 90.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If both the certified chief facility operator and certified shift supervisor are unavailable, a provisionally certified control room operator on site at the municipal waste combustion unit may fulfill the certified operator requirement. Depending on the length of time that a certified chief facility operator and certified shift supervisor are away, the owner or operator of the affected facility must meet one of three criteria:

(1) When the certified chief facility operator and certified shift supervisor are both off site for 12 hours or less, and no other certified operator is on site, the provisionally certified control room operator may perform the duties of the certified chief facility operator or certified shift supervisor.

(2) When the certified chief facility operator and certified shift supervisor are off site for more than 12 hours, but for two weeks or less, and no other certified operator is on site, the provisionally certified control room operator may perform the duties of the certified chief facility operator or certified shift supervisor without notice to, or approval by, the Department. However, the owner or operator of the affected facility must record the period when the certified chief facility operator and certified shift supervisor are off site and include that information in the annual report as specified under §60.59b(g)(5).

(3) When the certified chief facility operator and certified shift supervisor are off site for more than two weeks, and no other certified operator is on site, the provisionally certified control room operator may perform the duties of the certified chief facility operator or certified shift supervisor without approval by the Department. However, the owner or operator of the affected facility must take two actions:

(a) Notify the Department in writing. In the notice, state what caused the absence and what actions are being taken by the owner or operator of the facility to ensure that a certified chief facility operator or certified shift supervisor is on site as expeditiously as practicable.

(b) Submit a status report and corrective action summary to the Department every four weeks following the initial notification. If the Department provides notice that the status report or corrective action summary is disapproved,





**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following shall be reported quarterly to the NYSDEC  
Region 9 air pollution control engineer:

- 1) Total quarterly and year to date fuel usage and heat input of fuels for emission points R1B01, R1B02 and 00003 (B-110);
- 2) Sulfur content of distillate oil for R1B01, R1B02 and B-110 not to exceed 0.05%) based on the certification by the supplier for each batch of fuels received; and
- 3) Sulfur content of the alternate fuels for R1B02 based on quarterly sampling. Sulfur content of alternate fuel is limited by the SO<sub>2</sub> emission limits as specified in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 93: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 93.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

**Item 93.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Maximum hourly heat input limited to 880 mmbtu/hr, total





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for R1B01 and R1B02, and 359 mmbtu/hr for B-110 (all verified by steam flow). Record keeping of steam flow shall be maintained. Heat input data shall be submitted to the NYSDEC Region 9 air pollution control engineer upon request of the regulatory agency.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 94: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 94.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

**Item 94.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Maximum combined annual heat input limited to 3,600,000 mmbtu/yr (total for R1B01, R1B02 and B-110, verified by fuel use). Record keeping of fuel usage for all three boilers shall be maintained and submitted to the NYSDEC Region 9 air pollution control engineer in the quarterly "fuel used summary report".

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 95: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 95.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

**Item 95.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The simultaneous operation of emission point R1B01, emission point R1B02, emission point B-110, emission point BLR05, and emission point 00001's two mass burn incinerators firing MSW is permitted at their maximum rated heat inputs providing the following are met:

- 1) R1B01 fires only natural gas;
- 2) R1B02 fires alternate fuels and/or natural gas;
- 3) B-110 fires only low sulfur distillate fuel oil;
- 4) Alternate fuels can only be combusted in R1B02.
- 5) BLR05 fires only natural gas;
- 6) Compliance with the above conditions shall be demonstrated by record keeping and submitting the same to the NYSDEC Region 9 air pollution control engineer upon request of the regulatory agency.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 96: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 96.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: ALT

**Item 96.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emission point R1B02 shall be limited to a maximum steam (heat input) of 110% of the steam flow during the most recent dioxin/furan stack test while firing alternate fuel. Stack height of R1B02 shall be permitted to remain at 210 feet with stack diameter of 10 feet while firing alternate fuel, gas or oil. R1B01 may also remain at 210

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feet while burning oil or gas. Recording of alternate fuel usage shall be maintained and submitted to the NYSDEC Region 9 air pollution control engineer in the quarterly "fuel used summary report".

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 97: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 97.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: ALT

**Item 97.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee must comply with the approved quality assurance and quality control (QA/QC) plan, dated January 1998 (and revised as appropriate) for receipt, storage and combustion of alternate fuel (ALT). The department may request discussion of additional parameters upon periodic review of the plan. Any ALT fuel type for combustion must receive prior approval from the NYSDEC Region 9 air pollution control engineer. Record keeping of the items listed in the plan shall be maintained and submitted quarterly to the on-site monitor and annually to the regional air pollution control engineer.

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 1/30/2015.

Subsequent reports are due every 12 calendar month(s).

**Condition 98: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

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**Item 98.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: ALT

**Item 98.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Demonstration of compliance with the emission limits as specified in this permit and additional contaminants as deemed appropriate by the commissioner based on alternate fuel analysis and potential products of incomplete combustion shall be determined from stack testing performed according to a protocol approved by the department. This protocol must be submitted to the department 60 days prior to sampling. All testing shall be conducted, where appropriate, according to USEPA reference methods, as given in 40 CFR Part 60, Appendix A, and must be acceptable to the commissioner. Witnessing by the department of all stack tests is required. The department will not accept the results of any stack tests done in the absence of an approved protocol, or which are not witnessed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 99: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 99.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: ALT

**Item 99.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CEMS are required on R1B02 for S02, NOx, CO, O2 and opacity when firing AF. CEMS shall be installed, maintained and operated as specified in 40 CFR Part 60, Appendix B and Appendix F, and must be acceptable to the commissioner. CEMS shall be maintained operational

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including the requirements for quarterly cylinder gas audits (CGA) and annual relative accuracy test audits (RATA). Should these certification tests be omitted as regularly scheduled, recertification of the CEMS would be required prior to firing AF.

For CEMS block averages greater than 1-hour (such as 4-hour and 24-hour blocks), 75% of the 1-hour averages must be valid in order to have a valid block average. Block averages with less than 75% of valid 1-hour averages would be partial blocks that would not be used for compliance but would be reported in the quarterly excess emissions report along with the date, time period, and reason.

A partial block period could result during any block, other than the 1-hour period, that does not have alternate fuel continuously burning due to startup or shutdown or the unit being off line or the continuous emission monitoring being down (i.e., cylinder gas audit, etc.) for part of the block period. Emission standards or permit limitations applicable to block periods are not applicable to the partial block periods. All partial block periods and the reason for the partial block period must be reported in the quarterly excess emissions report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 100: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 212.4**

**Item 100.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: ALT

Emission Source: PARTI

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 100.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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**Monitoring Description:**

Emissions of solid particulates are limited to less than 0.05 grains per dry standard cubic foot of exhaust gas. Compliance testing to be conducted at the request of the department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: METHOD 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 101: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 101.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

**Item 101.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility will ensure that emissions of PM10 from this natural gas fired boiler shall not exceed 0.0075 lb/MMBtu (as determined using EPA reference methods, proposed methods and/or modified test methods approved by NYSDEC), based on the average of three one-to-four hour runs per test. Compliance with this limit shall include condensable particulate matter in accordance with US EPA reference test methods.

Good combustion practices shall be employed based on the use of low NOx burners and flue gas recirculation.

Compliance with this limit is required to ensure that potential PM10 emissions from this process do not exceed the project emission potential of 9.4 tpy defined in the project permit application. This allows the project to confirm non-applicability of 6 NYCRR 231-8 by maintaining

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PM10 potential to emit below the Significant Emission Rate  
Increase threshold of 15 tpy.

An initial stack test to determine compliance with this  
limit is required within 180 days of startup of this  
process. Future testing will be done at a minimum of once  
per permit term and/or at the discretion of the Department  
in accordance with 6 NYCRR Part 202-1.

Parameter Monitored: PM-10

Upper Permit Limit: 0.0075 pounds per million Btus

Reference Test Method: TEST METHODS APPROVED BY NYSDEC

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 102: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 102.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 0NY075-02-5 PM 2.5

**Item 102.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility will ensure that emissions of PM2.5 from  
this natural gas fired boiler shall not exceed 0.0075  
lb/MMBtu (as determined using EPA reference methods,  
proposed methods and/or modified test methods approved by  
NYSDEC), based on the average of three one-to-four hour  
runs per test. Compliance with this limit shall include  
condensable particulate matter in accordance with US EPA  
reference test methods.

Good combustion practices shall be employed based on the  
use of low NOx burners and flue gas  
recirculation.

Compliance with this limit is required to ensure that  
potential PM2.5 emissions from this process do not exceed

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the project emission potential of 9.4 tpy defined in the project permit application. This allows the project to confirm non-applicability of 6 NYCRR 231-8 by maintaining PM2.5 potential to emit below the Significant Emission Rate Increase threshold of 10 tpy.

An initial stack test to determine compliance with this limit is required within 180 days of startup of this process. Future testing will be done at a minimum of once per permit term and/or at the discretion of the Department in accordance with 6 NYCRR Part 202-1.

Parameter Monitored: PM 2.5

Upper Permit Limit: 0.0075 pounds per million Btus

Reference Test Method: TEST METHODS APPROVED BY NYSDEC

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 103: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-6**

**Item 103.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 103.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility will ensure that emissions of carbon monoxide (CO) from this natural gas fired boiler shall not exceed the vendor guarantee of 50 parts per million by volume, dry, corrected to three percent oxygen (ppmdv3), equivalent to 0.037 lb/MMBtu as calculated per 40 CFR Part 60, Appendix A, Method 19. This limit will be achieved by the use of low NOx burners and flue gas recirculation. Compliance with this limit shall be demonstrated by performing an initial stack test according to the timeframes and procedures defined in 40 CFR 60 Subpart A as well as the requirements of 6 NYCRR Subpart 202-1.



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Additional confirmatory testing shall be performed once per permit term.

Compliance with this limit is required to ensure that potential CO emissions from this process do not exceed the project emission potential of 46.5 tpy defined in the project permit application. This allows the project to confirm non-applicability of 6 NYCRR 231-8 by maintaining CO potential to emit below the Significant Emission Rate Increase threshold of 100 tpy.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.037 pounds per million Btus

Reference Test Method: Method 10

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 104: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-6**

**Item 104.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 104.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility will ensure that emissions of oxides of nitrogen (NOx) from this natural gas fired boiler shall not exceed the vendor guarantee of 25 parts per million by volume, dry, corrected to three percent oxygen (ppmv3), equivalent to 0.03 lb/MMBtu as calculated per 40 CFR Part 60, Appendix A, Method 19. This limit will be achieved by the use of low NOx burners and flue gas recirculation. Compliance with this limit shall be demonstrated by using a CEMS for measuring NOx and calculating a 24-hour daily heat input-weighted average NOx emission rate per 6 NYCRR 227-2.6(b)(3)(i)(b). Installation and operation of the

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NOx CEMS shall meet the requirements of 40 CFR 60.48b(b)(1) and 6 NYCRR 227-2.6(b)(3)(i)(b).

Compliance with this limit is required to ensure that potential NOx emissions from this process do not exceed the project emission potential of 37.7 tpy defined in the project permit application. This allows the project to confirm non-applicability of 6 NYCRR 231-6 by maintaining NOx potential to emit below the Significant Emission Rate Increase threshold of 40 tpy.

Manufacturer Name/Model Number: NOx analyzer  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.03 pounds per million Btus  
Reference Test Method: CEMS/40 CFR 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 24-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 105: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

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

**Item 105.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-110EF  
Process: B5G

**Item 105.2:**  
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

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below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

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

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

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: EPA Method 9  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 106: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR 227-2.4 (a)**

**Item 106.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF  
Process: B5G

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

**Item 106.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

As proposed in the project permit application, Boiler #5 will have an emission limit for oxides of nitrogen of 0.03 lb/MMBtu on a 24-hour daily heat input-weighted average. This limit, which is based on a vendor guarantee of 25 parts per million by volume, dry, corrected to three percent oxygen (ppmdv3), is well below current and future presumptive NOx RACT limits for this type of source. The proposed low NOx limit will be achieved by the use of low NOx burners and flue gas recirculation.

By adopting this limit, Boiler #5 will comply with the 6 NYCRR Part 227-2.4(a) presumptive NOx RACT emission limits for very large boilers (i.e., those with a maximum heat capacity greater than 250 MMBtu/hr) burning only natural gas. Two limits for natural gas-fired very large boilers are prescribed: 0.20 pounds NOx per million Btu prior to July 1, 2014, and 0.08 pounds NOx per million Btu on or after July 1, 2014.

Compliance with the proposed limit will be demonstrated by the installation and operation of a NOx CEMS that meets the requirements of 40 CFR 60.48b(b)(1) and 6 NYCRR 227-2.6(b)(3)(i)(b).

Manufacturer Name/Model Number: NOx analyzer per CEMS monitoring plan

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.03 pounds per million Btus

Reference Test Method: CEMS/40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 107: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 231-8.7**

**Item 107.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):



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CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

**Item 107.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Annual CO<sub>2</sub>e emissions from Boiler #5 (the sum of CO<sub>2</sub>e emissions associated with CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O) shall not exceed 147,100 tons on a rolling 12-month total. The calculation of CO<sub>2</sub>e emissions will be based on a maximum 12-month total natural gas heat input of 2,514,120 MMBtu using CO<sub>2</sub> emissions obtained from CEMS data and the emission factors codified at 40 CFR 98, Subpart C for CH<sub>4</sub> and N<sub>2</sub>O as follow:

CH<sub>4</sub>: 2.21E-03 lbs CH<sub>4</sub>/MMBtu x Global Warming Potential of 21

N<sub>2</sub>O: 2.21E-04 lbs N<sub>2</sub>O/MMBtu x Global Warming Potential of 310.

Parameter Monitored: CARBON DIOXIDE EQUIVALENTS

Upper Permit Limit: 147100 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 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 108: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 231-8.7**

**Item 108.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

**Item 108.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

GHG BACT shall be demonstrated by the use of low CO<sub>2</sub> emitting fuel (i.e., natural gas), the performance of an annual boiler tune-up, and execution of the efficiency

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improvement plan defined in the project application. The efficiency improvement plan includes the application of the following measures: oxygen trim control, economizer, optimizing blowdown based on the total dissolved solids content of the feedwater, condensate return, steam pipe insulation, optimization of the steam distribution network, and routine inspection of the steam network to detect and fix any leaks in the system. The facility shall keep a logbook documenting annual tune-ups and efficiency improvement plan activities. Records shall be maintained onsite for inspection 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 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 109: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR 231-8.7**

**Item 109.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

**Item 109.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To comply with the Best Available Control Technology (BACT) requirements, greenhouse gas emissions (as carbon dioxide equivalents [CO<sub>2</sub>e]) shall not exceed 145 lbs/1000 lbs steam on a 12-month rolling average basis. Compliance with this limit shall be determined as the 12 consecutive calendar month average of total monthly CO<sub>2</sub>e emitted by Boiler #5 (lbs) divided by the total steam produced by Boiler #5 (lbs) for that respective calendar month times 1000.

Monthly CO<sub>2</sub>e is defined as the sum of the impacts of CO<sub>2</sub> plus methane plus N<sub>2</sub>O emissions determined as follows:

CO<sub>2</sub> from CEMS data

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Methane = monthly natural gas fired in Boiler #5 x  
emission factor 0.001 kg/MMBtu x Global Warming Potential  
Factor 21

N2O = monthly natural gas fired in Boiler #5 x emission  
factor 0.0001 kg/MMBtu x Global Warming Potential Factor  
310.

Natural gas shall be measured using a natural gas revenue  
meter or another metering device with accuracy of at least  
+/-5%.

Steam production (or the equivalent net makeup water flow)  
shall be monitored continuously with metering devices  
accurate to at least +/-5%.

Information (including make, model and manufacturer's  
guaranteed accuracy) regarding each monitoring device to  
be used to demonstrate continuous compliance as set forth  
above shall be provided to the Department in an emission  
monitoring plan to be submitted no later than 60 days  
prior to the initial startup of Boiler #5.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 110: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR 231-8.7**

**Item 110.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

**Item 110.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

As part of demonstrating compliance with Best Available  
Control Technology (BACT) requirements for Greenhouse Gas  
(GHG) emissions, the facility shall use a CEMS for  
measuring carbon dioxide and calculating a 24-hour daily

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heat input-weighted average CO<sub>2</sub> emission rate.  
Installation and operation of the CO<sub>2</sub> CEMS shall meet the requirements of 40 CFR 60.48b(b)(1). Results obtained from the CO<sub>2</sub> CEMS shall be used to calculate compliance with the GHG 12-month rolling average CO<sub>2</sub>e emissions limit. As described in the project permit application, CO<sub>2</sub> emissions shall not exceed the project emission potential of 33,600 lbs/hr.

Manufacturer Name/Model Number: CO<sub>2</sub> analyzer per CEMS monitoring plan  
Parameter Monitored: CARBON DIOXIDE  
Upper Permit Limit: 33600 pounds per hour  
Reference Test Method: CEMS/40 CFR 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 24-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 111: Applicability of General Provisions of 40 CFR 60 Subpart A Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart A**

**Item 111.1:**

This Condition applies to Emission Unit: U-110EF  
Process: B5G

**Item 111.2:**

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 112: Compliance Certification Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.44b(a)(1), NSPS Subpart Db**

**Item 112.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF  
Process: B5G

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

**Item 112.2:**

Compliance Certification shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As proposed in the project permit application, Boiler #5 will have an emission limit for oxides of nitrogen of 0.03 lb/MMBtu on a 24-hour daily heat input-weighted average. This limit, which is based on a vendor guarantee of 25 parts per million by volume, dry, corrected to three percent oxygen (ppmdv3), is well below the NOx limit specified in 40 CFR 60 Subpart Db. The proposed low NOx limit will be achieved by the use of low NOx burners and flue gas recirculation.

By adopting this limit, Boiler #5 will comply with the 40 CFR 60.44b(a)(1)(ii) NOx emission limit of 0.20 lb/MMBtu for an affected facility (i.e., a steam generating unit that commences construction after June 19, 1984, and that has a heat input capacity of greater than 100 MMBtu/hr) that combusts only natural gas in a high heat release rate unit.

Compliance with the proposed limit will be demonstrated by the installation and operation of a NOx CEMS that meets the requirements of 40 CFR 60.48b(b)(1) and 6 NYCRR 227-2.6(b)(3)(i)(b). Compliance is on a 30-day rolling average basis.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 113: Compliance and performance requirements.**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 40CFR 60.46b(e)(1), NSPS Subpart Db**

**Item 113.1:**

This Condition applies to Emission Unit: U-110EF  
Process: B5G

**Item 113.2:** For the initial compliance test, nitrogen oxides from the steam generating unit are monitored for 30 successive steam generating unit operating days and the 30-day average emission rate is used to determine compliance with the nitrogen oxides emission standards under §60.44b. The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the monitoring system during the 30-day test period.

**Condition 114: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

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**Applicable Federal Requirement:40CFR 60.48b(b), NSPS Subpart Db**

**Item 114.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 114.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous monitoring system for measuring nitrogen oxides emissions discharged to the atmosphere and record the output of the system.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 115: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.48b(c), NSPS Subpart Db**

**Item 115.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 115.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The continuous monitoring systems required under paragraph 40 CFR 60.48b (b) shall be operated and data recorded during all periods of operation of the affected

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facility except for continuous monitoring system  
breakdowns and repairs. Data is recorded during  
calibration checks, and zero and span adjustments.

Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 116: Recordkeeping and reporting requirements.**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.49b, NSPS Subpart Db**

**Item 116.1:**

This Condition applies to Emission Unit: U-110EF  
Process: B5G

**Item 116.2:**

This facility is subject to the provisions of Subpart Db. Therefore, the facility must meet the record keeping and reporting requirements of section 40 CFR 60.49b.

**Condition 117: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.49b(d), NSPS Subpart Db**

**Item 117.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF  
Process: B5G

**Item 117.2:**

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 7/30/2014.



Subsequent reports are due every 6 calendar month(s).

**Condition 118: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 40CFR 60.49b(g), NSPS Subpart Db**

**Item 118.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 118.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of the following information for each steam generating unit operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO<sub>2</sub>) (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 preceding 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

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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.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 119: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 60.49b(h), NSPS Subpart Db**

**Item 119.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

**Item 119.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall submit semiannual excess emission reports for opacity and/or, oxides of nitrogen, and/or sulfur dioxide for any reporting period during which there are excess emissions from the affected facility. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 120: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 63.7515(d), Subpart DDDDD**

**Item 120.1:**



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The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

**Item 120.2:**

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 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 121: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 63.7540(a), Subpart DDDDD**

**Item 121.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: B5G

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

**Item 121.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 63.7540 (a): You must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to this subpart, the work practice standards



in Table 3 to this subpart, and the operating limits in Table 4 to this subpart that applies to you according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section.

§ 63.7540 (a)(12): If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in § 63.7575, you must conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months.

§ 63.7540 (a)(10)(i) through (vi): If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. This frequency does not apply to limited-use boilers and process heaters, as defined in § 63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units

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that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

Monitoring Frequency: Once every five years  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 122: New source notification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 40CFR 63.7545(c), Subpart DDDDD**

**Item 122.1:**  
This Condition applies to Emission Unit: U-110EF  
Process: B5G



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**Item 122.2:**

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 123: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 123.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: OAG

**Item 123.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Instead of reconfiguring with low NOx burners and CEMS, R1B02 and B-110 are limited to a maximum combined annual heat input of 189,000 mmbtu/yr when firing natural gas or low sulfur distillate oil (verify by fuel use). This is equal to approximately 1.35 mm gal/yr of distillate oil or 189,000 kscf/yr of natural gas. CEMS (opacity) is required for R1B02 when combusting low sulfur distillate but no opacity monitor required if combusting only natural gas. Fuel usage records for the units shall be maintained and submitted to the Region 9 air pollution control engineer in the quarterly fuel used summary report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 124: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

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**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 124.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF  
Process: OAG

**Item 124.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CEMS are required for R1B01 as specified in 40 CFR Part 60, Subpart D and 6 NYCRR Part 227 as applicable. Opacity monitoring does not have to be installed and operated on R1B01 as long as the only fuel combusted is natural gas. CEMS (opacity only) is required for B-110.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 125: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 125.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF  
Process: OAG

**Item 125.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Maximum combined annual heat input shall be limited to 1,800,000 mmbtu/yr (verified by fuel usage) when firing distillate oil in all three units (R1B01, R1B02 and B-110). Fuel usage records for the unit shall be maintained and submitted to the Region 9 air pollution control engineer in the quarterly fuel used summary report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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Subsequent reports are due every 3 calendar month(s).

**Condition 126: Compliance Certification**  
Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement:6 NYCRR 227-1.3**

**Item 126.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: OAG

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 126.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20% opacity for any six consecutive minutes, except for one 6-minute period per hour of not more than 27% opacity. Excess emissions are to be reported.

Manufacturer Name/Model Number: OPACITY COMS

Parameter Monitored: OPACITY

Upper Permit Limit: 27 percent

Reference Test Method: METHOD 9 & PS 1

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 127: Compliance Certification**  
Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement:40CFR 60.42, NSPS Subpart D**

**Item 127.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: OAG

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

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**Item 127.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall install, calibrate, maintain and operate a COMS to demonstrate compliance with opacity standard. Opacity monitoring does not have to be installed and operated on R1B01 as long as the boiler combusts only natural gas. The facility cannot exhibit greater than 20% opacity for any six consecutive minutes except for one 6-minute period per hour of not more than 27% opacity. Excess emissions are to be reported.

Manufacturer Name/Model Number: OPACITY COMS

Parameter Monitored: OPACITY

Upper Permit Limit: 27 percent

Reference Test Method: METHOD 9 & PS 1

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 128: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR 227-2.5 (c)**

**Item 128.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: 00003

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 128.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Per NOx RACT Plan dated March 14, 1994, this emission point which is Boiler B-110 is allowed an emission limit of 0.40 lbs of NOx per million Btu based on the maximum annual heat input of 189,000 MM Btu.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 7/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 129: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-1.7**

**Item 129.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: 00003  
Process: GAS                                      Emission Source: COMBU

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

**Item 129.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 3.6 lb/hr (0.01 lb/mmbtu) for PM when  
combusting natural gas in this boiler. Compliance shall  
be based on a stack test (upon NYSDEC request) using 40  
CFR 60, Appendix A, Method 2 through 5.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 3.6 pounds per hour

Reference Test Method: M - 2 THROUGH 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 130: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4**

**Item 130.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: 00003  
Process: OAG                                      Emission Source: COMBU

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

**Item 130.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission point, which is Boiler B-110, has been leased from Occidental Chemical (OxyChem). Per letter to NYSDEC from Covanta Niagara L.P. dated November 9, 2012, effective May 4, 2013, the lease expires and Covanta Niagara will return ownership and operating responsibilities for Boiler B-110 to OxyChem. In Covanta Niagara's NOx RACT Compliance Plan submitted to NYSDEC by letter dated December 4, 2012, the facility confirmed that after the boiler is turned over to OxyChem in May 2013 Covanta Niagara will not be responsible for ensuring that this boiler complies with the Phase II NOx RACT requirements that become effective July 1, 2014. Compliance with this condition will consist of a written statement confirming the date that the lease has expired and that it has not been extended or renewed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 131: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4**

**Item 131.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: 00003

Process: OAG

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 131.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit emission limit of 143.6 lb/hr (0.40 lb/mmbtu) while burning natural gas or distillate oil in this emission point which is boiler B-110. This emission limit is in effect until July 1, 2014. Compliance shall be based on initial stack test at department request using 40 CFR 60, Appendix A, Method 7E or any method acceptable to the commissioner.



**New York State Department of Environmental Conservation**

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

Upper Permit Limit: 143.6 pounds per hour

Reference Test Method: METHOD 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 132: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(i)(3), Subpart A**

**Item 132.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: 00003

Process: OAG

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 132.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for VOC is 5.74 lb/hr while combusting oil or gas in B-110 (EP 00003). Compliance shall be based on initial stack test at department request using 40 CFR 60, Appendix A, method 25A.

Parameter Monitored: VOC

Upper Permit Limit: 5.74 pounds per hour

Reference Test Method: METHOD 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 133: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(i)(3), Subpart A**

**Item 133.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: 00003

Process: OAG

Emission Source: COMBU

**New York State Department of Environmental Conservation**

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



Regulated Contaminant(s):  
CAS No: 000630-08-0 CARBON MONOXIDE

**Item 133.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for carbon monoxide is 28.7 lb/hr while  
combusting oil or gas in B-110 (EP 00003). Compliance  
shall be based on initial stack test at department request  
using 40 CFR 60, Appendix A, Method 10.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 28.7 pounds per hour

Reference Test Method: MEHTOD 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 134: Compliance Certification**

Effective between the dates of 05/02/2014 and 05/01/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

**Item 134.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: 00003  
Process: OIL                                      Emission Source: COMBU

Regulated Contaminant(s):  
CAS No: 007446-09-5                      SULFUR DIOXIDE

**Item 134.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit limit of 18.2 lb/hr (0.0507 lb/mmbtu) of S02 while  
burning oil in this emission point which is boiler B-110.  
Compliance shall be based on certification by the supplier  
on the percent of sulfur limit for each batch of fuel  
received. Excess emissions are to be reported.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.



**New York State Department of Environmental Conservation**

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 135: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-1.7**

**Item 135.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: 00003  
Process: OIL                                      Emission Source: COMBU

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

**Item 135.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 10.27 lb/hr (0.0286 lb/mmbtu) for PM when  
combusting oil in this boiler. Compliance shall be based  
on an initial stack test at the department's request using  
40 CFR 60, Appendix A, Method 2 through 5.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 10.27 pounds per hour

Reference Test Method: 2 THROUGH 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 136: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 136.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B01  
Process: GAS                                      Emission Source: COMBU

Regulated Contaminant(s):  
CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 136.2:**

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit emission limit of 0.3 lb/hr (0.0006 lb/mmbtu) SO<sub>2</sub> while burning natural gas in R1B01. Compliance shall be based on certification by the supplier on the percent sulfur content of the fuel received.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 137: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4**

**Item 137.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B01

Process: GAS

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 137.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Effective July 1, 2014, Boiler EFW-1 (emission point R1B01) will comply with the 6 NYCRR Part 227-2.4(a)(1)(ii) presumptive NO<sub>x</sub> RACT limit of 0.08 lb/MMBtu for a very large boiler combusting natural gas. Urea injection will be installed on this boiler prior to the compliance date in order to meet this limit, using CEMS and other operating parameter monitoring systems to monitor NO<sub>x</sub> emissions and take corrective actions, if necessary, to ensure compliance with this limit.

Permit emission limit of 0.08 lb/MMBtu while burning natural gas. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 7E or any method acceptable to the commissioner and CEMS, thereafter. NO<sub>x</sub> CEMS compliant with 6 NYCRR 227-2.6(b) will be used to demonstrate compliance utilizing 24-hour daily block averages during the ozone season and 30-unit operating day averages during the non-ozone season. Excess emissions



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

are to be reported.

Manufacturer Name/Model Number: TECO MODEL 42C or equivalent  
Upper Permit Limit: 0.08 pounds per million Btus  
Reference Test Method: METHOD 7E & CEMS  
Monitoring Frequency: CONTINUOUS  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 138: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-1.7**

**Item 138.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF	Emission Point: R1B01
Process: GAS	Emission Source: PARTI

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

**Item 138.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 4.4 lb/hr (0.01 lb/mmbtu) for PM when  
combusting natural gas. Compliance shall be based on an  
initial stack test using 40 CFR 60, Appendix A, Methods 2  
through 5.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 4.4 pounds per hour

Reference Test Method: M - 2 THROUGH 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 139: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.6 (a) (1)**

**New York State Department of Environmental Conservation**

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



**Item 139.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B01  
Process: OAG

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

**Item 139.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator shall measure NO<sub>x</sub> emissions with a continuous emissions monitoring system (CEMS) as described in 6NYCRR 227-2.6(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 140:      Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4**

**Item 140.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B01  
Process: OAG                                      Emission Source: COMBU

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

**Item 140.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit emission limit of 88 lb/hr (0.2 lb/mmbtu) while burning oil/natural gas in R1B01. These limits satisfy the NO<sub>x</sub> RACT requirements of 6 NYCRR Part 227-2 until July 1, 2014. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 7E or any method acceptable to the commissioner and CEMS, thereafter. Excess emissions are to be reported.



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

Manufacturer Name/Model Number: TECO MODEL 42C or equivalent  
Upper Permit Limit: 88.0 pounds per hour  
Reference Test Method: METHOD 7E & CEMS  
Monitoring Frequency: CONTINUOUS  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 141: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(i)(3), Subpart A**

**Item 141.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B01  
Process: OAG                                      Emission Source: COMBU

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

**Item 141.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 7.0 lb/hr while combusting oil or gas in  
R1B01. Compliance shall be based initial stack test using  
40 CFR 60, Appendix A, Method 25A.

Parameter Monitored: VOC

Upper Permit Limit: 7.0 pounds per hour

Reference Test Method: METHOD 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 142: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(i)(3), Subpart A**

**Item 142.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B01



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

Process: OAG

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 142.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit limit of 35.2 lb/hr while combusting oil or gas in R1B01. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 10 or any method acceptable to the commissioner and CEMS, thereafter. Excess emissions are to be reported.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 5E or equivalent

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 35.2 pounds per hour

Reference Test Method: METHOD 10 & CEMS

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 143: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-6**

**Item 143.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B01

Process: OIL

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 143.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit emission limit of 22.3 lb/hr (0.0507 lb/mmbtu) S02 while burning oil in R1B01. Compliance is based on percent sulfur content of each batch of fuel received. Excess emissions are to be reported.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**New York State Department of Environmental Conservation**

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



**DESCRIPTION**

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 144: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-1.7**

**Item 144.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B01

Process: OIL

Emission Source: PARTI

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 144.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 12.6 lb/hr (0.0286 lb/mmmbtu) for PM when  
combusting oil in this boiler. Compliance shall be based  
on an initial stack test using 40 CFR 60, Appendix A,  
Methods 2 through 5.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 12.6 pounds per hour

Reference Test Method: M - 2 THROUGH 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 145: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 212.6 (a)**

**Item 145.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B02

Process: ALT

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

**Item 145.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Opacity at the flue gas exit shall not be greater than 20% for any consecutive 6-minutes. Compliance shall be based on continuous opacity monitor (COM) and 40 CFR 60, Appendix A, Method 9. Excess emissions are to be reported.

Manufacturer Name/Model Number: DURAG MODEL D-R281 or equivalent

Parameter Monitored: OPACITY

Upper Permit Limit: 20.0 percent

Reference Test Method: M-9 AND COMS

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 146: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 146.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B02

Process: ALT

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

**Item 146.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit emission limit of 30.9 lb/hr (0.138 lb/mmbtu) SO<sub>2</sub> while burning alternate fuel in R1B02. Compliance is based on initial stack test using 40 CFR 60, Appendix A, Method 6C; or the facility's continuous emissions monitoring system's (CEMS) data; or any method acceptable to the commissioner for each discrete alternate fuel stream. Excess emissions are to be reported.

If CEMS data is to be used to provide mass emissions compliance data in place of intermittent stack tests, the





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CEMS must have completed three quarterly cylinder gas audits and an annual relative accuracy test audit (RATA) for the time period between the last compliance test and the present one. Additionally, the CEMS must have valid data for at least 90% of the hours of operation per quarter and at least 95% of the operational hours per year.

Manufacturer Name/Model Number: TECO MODEL 40B

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 30.9 pounds per hour

Reference Test Method: M - 6C & 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 147: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR Part 212**

**Item 147.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B02

Process: ALT

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 007647-01-0

HYDROGEN CHLORIDE

**Item 147.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 25.0 lb/hr of hydrogen chloride while burning alternate fuels in R1B02. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 26A or any method acceptable to the commissioner for each discrete alternate fuel stream. Additional testing required at the discretion of this agency.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 25.0 pounds per hour

Reference Test Method: METHOD 26A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

New York State Department of Environmental Conservation

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Facility DEC ID: 9291100113



Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 148: Compliance Certification**  
Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement:6 NYCRR 212.4 (b)**

**Item 148.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: ALT                                      Emission Source: COMBU

Regulated Contaminant(s):  
CAS No: 007664-39-3              HYDROGEN FLUORIDE

**Item 148.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 1.5 lb/hr of fluoride (as hydrogen fluoride) while burning alternate fuel in R1B02. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 26A or any method acceptable to the commissioner for each discrete alternate fuel stream. Thereafter, compliance testing to be conducted at the request of the commissioner.

Parameter Monitored: HYDROGEN FLUORIDE

Upper Permit Limit: 1.5 pounds per hour

Reference Test Method: METHOD 26A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 149: Compliance Certification**  
Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable Federal Requirement:6 NYCRR 212.4 (b)**

**Item 149.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: ALT                                      Emission Source: COMBU

Regulated Contaminant(s):  
CAS No: 007664-93-9              SULFURIC ACID



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

**Item 149.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 3.8 lb/hr of sulfuric acid while burning alternate fuels in R1B02. Compliance testing shall be conducted at the request of the department using 40 CFR 60, Appendix A, Method 8 or any method acceptable to the commissioner for each discrete alternate fuel stream.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 3.8 pounds per hour

Reference Test Method: METHOD 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 150: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR 212.4 (b)**

**Item 150.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B02

Process: ALT

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 150.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 6.7 lb/hr of VOC while burning alternate fuel in R1B02. Compliance testing shall be conducted at the request of the department using 40 CFR 60, Appendix A, Method 25A or any method acceptable to the commissioner for each discrete alternate fuel stream.

Parameter Monitored: VOC

Upper Permit Limit: 6.7 pounds per hour

Reference Test Method: METHOD 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

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Facility DEC ID: 9291100113



Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 151: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement: 6 NYCRR 212.4 (b)**

**Item 151.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: ALT                                      Emission Source: COMBU

Regulated Contaminant(s):  
CAS No: 000630-08-0                      CARBON MONOXIDE

**Item 151.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit limit of 50 lb/hr of carbon monoxide while burning alternate fuels in R1B02. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 10; or the facility's continuous emissions monitoring system's (CEMS) data; or any method acceptable to the commissioner for each discrete alternate fuel stream. Excess emissions are to be reported.

If CEMS data is to be used to provide mass emissions compliance data in place of intermittent stack tests, the CEMS must have completed three quarterly cylinder gas audits and an annual relative accuracy test audit (RATA) for the time period between the last compliance test and the present one. Additionally, the CEMS must have valid data for at least 90% of the hours of operation per quarter and at least 95% of the operational hours per year.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 5E or equivalent

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 50.0 pounds per hour

Reference Test Method: METHOD 10 & CEMS

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 152: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**



**Applicable Federal Requirement:6 NYCRR 227-2.4**

**Item 152.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: ALT                                      Emission Source: COMBU

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

**Item 152.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In order to comply with revised NO<sub>x</sub> RACT requirements which are in effect as of July 1, 2014, very large boilers which are fired primarily with fuels not listed in 6 NYCRR Part 227-2.4(a)(1)(ii) must be evaluated to determine appropriate controls and emission limits to be selected as RACT. As submitted to the Department by letter dated December 4, 2012, a case-by-case RACT determination was performed to evaluate NO<sub>x</sub> control technology options and their cost effectiveness for Boiler EFW-2 (emission point R1B02) when firing alternate fuel (primarily waste wood). The analysis concluded that utilization of the urea injection system currently in place to meet a proposed NO<sub>x</sub> limit of 0.25 lb/MMBtu while burning alternate fuel was technically and economically feasible.

Effective July 1, 2014, Boiler EFW-2 (emission point R1B02) will comply with a NO<sub>x</sub> RACT emission limit of 0.25 lb/MMBtu when combusting alternate fuel. The rate of urea injection from the existing urea injection system on Boiler EFW-2 will be controlled as needed to meet this limit, using CEMS and other operating parameter monitoring systems to monitor NO<sub>x</sub> emissions and take corrective actions, if necessary to ensure compliance with this limit.

Permit emission limit of 0.25 lb/MMBtu while burning alternate fuel in EFW-2. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 7E or any method acceptable to the commissioner and CEMS, thereafter. NO<sub>x</sub> CEMS compliant with 6 NYCRR 227-2.6(b) will be used to demonstrate compliance utilizing 24-hour daily block averages during the ozone season and 30-unit operating day averages during the non-ozone season. Excess emissions are to be reported.



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Manufacturer Name/Model Number: TECO MODEL 42C or equivalent  
Upper Permit Limit: 0.25 pounds per million Btus  
Reference Test Method: METHOD 7E & CEMS  
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 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 153: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4**

**Item 153.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: ALT                                      Emission Source: COMBU

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

**Item 153.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit limit of 56 lb/hr based on a 12-month rolling average, with a maximum 24-hour block average of 95 lbs per hour, while burning alternate fuel in R1B02. Annual emissions will remain at 245 tons per year ( based on 8760 hours/year). Also, permit limit of 0.33 lb/mm btu while burning alternate fuel. These limits satisfy the NOx RACT requirements of 6 NYCRR Part 227-2 until July 1, 2014. Compliance is based on initial stack test using 40 CFR 60, Appendix A, Method 7E; or the facility's continuous emissions monitoring system's (CEMS) data; or any method acceptable to the commissioner for each discrete alternate fuel stream. Excess emissions are to be reported.

If CEMS data is to be used to provide mass emissions compliance data in place of intermittent stack tests, the CEMS must have completed three quarterly cylinder gas audits and an annual relative accuracy test audit (RATA) for the time period between the last compliance test and the present one. Additionally, the CEMS must have valid data for at least 90% of the hours of operation per quarter and at least 95% of the operational hours per



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year.

Manufacturer Name/Model Number: TECO MODEL 42C or equivalent  
Upper Permit Limit: 56.0 pounds per hour  
Reference Test Method: METHOD 7E & CEMS  
Monitoring Frequency: CONTINUOUS  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 154: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Part 212**

**Item 154.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: ALT                                      Emission Source: PARTI

Regulated Contaminant(s):  
CAS No: 007440-38-2                      ARSENIC

**Item 154.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 0.0101 lb/hr for arsenic while burning alternate fuels in R1B02. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 29 or any method acceptable to the commissioner for each discrete alternate fuel stream. Additional compliance testing required at the discretion of this agency.

Parameter Monitored: ARSENIC  
Upper Permit Limit: 0.0101 pounds per hour  
Reference Test Method: METHOD 29  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 155: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Part 212**

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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



**Item 155.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B02

Process: ALT

Emission Source: PARTI

Regulated Contaminant(s):

CAS No: 007440-47-3 CHROMIUM

**Item 155.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 0.00067 lb/hr of chromium VI while burning alternate fuel in R1B02. Compliance testing shall be conducted at the request of the department using 40 CFR 60, Appendix A, Method 0013 or any method acceptable to the commissioner for each discrete alternate fuel stream.

Note: Compliance testing for chromium VI will not be required by the Department provided that testing is done for total chromium and the emission for total chromium is less than the permit limit for chromium VI. Compliance testing for total chromium shall be based upon using 40 CFR 60, Appendix A, Method 29 or any method acceptable to the commissioner.

Parameter Monitored: CHROMIUM

Upper Permit Limit: 0.00067 pounds per hour

Reference Test Method: METHOD 0013

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 156: Compliance Certification**

Effective between the dates of 05/02/2014 and 05/01/2019

Applicable Federal Requirement: 6 NYCRR Part 212

**Item 156.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B02

Process: ALT

Emission Source: PARTI

Regulated Contaminant(s):

CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN



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**Item 156.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 0.097 lbs/yr ( $4.85 \times 10E-5$  tons/yr) of dioxin/furan (total tetra through octa pcdds/pcdfs) and also, permit limit of 0.00303 lbs/yr ( $1.52 \times 10E-6$  tons/yr) of total polychlorinated dibenzo-p-dioxins and polychlorinated dibenzo furans (tetra -octa homologue groups as well as associated 2,3,7,8 substituted congeners) expressed as 2,3,7,8 tetrachlorinated dibenzo-para-dioxin equivalents while combusting alternate fuels in R1B02. Compliance shall be based on annual stack test using 40 CFR 60, Appendix A, Method 23 or any method acceptable to the commissioner for each discrete alternate fuel stream.

Permittee will use the total pcdd/pcdf hourly emission rate from the annual stack tests to calculate the maximum hours of operation for the calendar year forward (ie: operation July thru June following approved annual stack test) by using the annual permitted emission limit.

The hours of operation for R1B02 (EFW2) must be recorded daily and reported to the department in a quarterly report. Additional compliance testing required at the discretion of this agency. Additional stack tests may be performed (observed by department personnel) during a given year to readjust the hours of operation.

A maintenance program for R1B02 (EFW2), alternate fuels boiler, must be developed and submitted within 60 days of this permit issuance for department review and approval.

The alternate fuels quality assurance/quality control plan must also be made available for inspection upon request by department personnel.

Parameter Monitored: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Upper Permit Limit: 0.097 pounds per year

Reference Test Method: METHOD 23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 157: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

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**Applicable Federal Requirement:6 NYCRR 212.4**

**Item 157.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: ALT                                      Emission Source: PARTI

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

**Item 157.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for particulates of 13.4 lb/hr when  
combusting alternate fuel. Compliance is based on initial  
stack test using 40 CFR 60, Appendix A, Methods 2 through  
5 or any method acceptable to the commissioner for each  
discrete alternate fuel stream. Additional compliance  
testing at the discretion of this agency.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 13.4 pounds per hour

Reference Test Method: M - 2 THROUGH 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 158: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 212.4 (b)**

**Item 158.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: ALT                                      Emission Source: PARTI

Regulated Contaminant(s):  
CAS No: 007439-92-1      LEAD

**Item 158.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 0.051 lb/hr of lead while burning

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alternate fuels in R1B02. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 29 or any method acceptable to the commissioner for each discrete alternate fuel stream. Additional compliance testing required at the discretion of this agency.

Parameter Monitored: LEAD

Upper Permit Limit: 0.051 pounds per hour

Reference Test Method: METHOD 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 159: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 212.4 (b)**

**Item 159.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B02

Process: ALT

Emission Source: PARTI

Regulated Contaminant(s):

CAS No: 007440-43-9      CADMIUM

**Item 159.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 0.0090 lb/hr of cadmium while burning alternate fuel in R1B02. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 29 or any method acceptable to the commissioner for each discrete alternate fuel stream. Additional compliance testing required at the discretion of this agency.

Parameter Monitored: CADMIUM

Upper Permit Limit: 0.009 pounds per hour

Reference Test Method: METHOD 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 160: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

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**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 160.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: GAS                                      Emission Source: COMBU

Regulated Contaminant(s):  
CAS No: 007446-09-5              SULFUR DIOXIDE

**Item 160.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit emission limit of 0.3 lb/hr (0.0006 lb/mmbtu) SO<sub>2</sub> while burning natural gas in R1B02. Compliance shall be based on certification by the supplier on the percent sulfur content of the fuel received. Excess emissions are to be reported.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 161:      Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4**

**Item 161.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: GAS                                      Emission Source: COMBU

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

**Item 161.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Effective July 1, 2014, Boiler EFW-2 (emission point R1B02) will comply with the 6 NYCRR Part 227-2.4(a)(1)(ii) presumptive NO<sub>x</sub> RACT limit of 0.08 lb/MMBtu for a very



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large boiler combusting natural gas. The rate of urea injection from the existing urea injection system on Boiler EFW-2 will be increased as needed to meet this limit, using CEMS and other operating parameter monitoring systems to monitor NOx emissions and take corrective actions, if necessary, to ensure compliance with this limit.

Permit emission limit of 0.08 lb/MMBtu while burning natural gas. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 7E or any method acceptable to the commissioner and CEMS, thereafter. NOx CEMS compliant with 6 NYCRR 227-2.6(b) will be used to demonstrate compliance utilizing 24-hour daily block averages during the ozone season and 30-unit operating day averages during the non-ozone season. Excess emissions are to be reported.

Manufacturer Name/Model Number: TECO MODEL 42C or equivalent

Upper Permit Limit: 0.08 pounds per million Btus

Reference Test Method: METHOD 7E & CEMS

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 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 162: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4**

**Item 162.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B02

Process: GAS

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 162.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit limit of 88 lb/hr (0.20 lb/mmbtu) while burning natural gas in R1B02. These limits satisfy the NOx RACT requirements of 6 NYCRR Part 227-2 until July 1, 2014. Compliance shall be based on initial stack test using 40



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CFR 60, Appendix A, Method 7E or any method acceptable to the commissioner and CEMS, thereafter. Excess emissions are to be reported.

Manufacturer Name/Model Number: TECO MODEL 42C or equivalent  
Upper Permit Limit: 88.0 pounds per hour  
Reference Test Method: METHOD 7E & CEMS  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 163: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-1.7**

**Item 163.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: GAS                                      Emission Source: PARTI

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

**Item 163.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 4.4 lb/hr (0.01 lb/mmbtu) for PM when combusting natural gas. Compliance shall be based on initial stack test at the department's request using 40 CFR 60, Appendix A, Methods 2 through 5 or any method acceptable to the commissioner.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 4.4 pounds per hour

Reference Test Method: M - 2 THROUGH 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 164: Compliance Certification**

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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(i)(3), Subpart A**

**Item 164.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: OAG                                      Emission Source: COMBU

Regulated Contaminant(s):  
CAS No: 000630-08-0      CARBON MONOXIDE

**Item 164.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit limit of 35.2 lb/hr while combusting oil or gas in R1B02. Compliance shall be based on an initial stack test at the department's request using 40 CFR 60, Appendix A, Method 10 (CEMS). Excess emissions are to be reported.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 5E or equivalent

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 35.2 pounds per hour

Reference Test Method: 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 165: Compliance Certification**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:40CFR 52.21(i)(3), Subpart A**

**Item 165.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: OAG                                      Emission Source: COMBU

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

**Item 165.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



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Monitoring Description:

Permit limit of 7.0 lb/hr while combusting oil or gas in R1B02. Compliance shall be based on initial stack test at the department's request using 40 CFR 60, Appendix A, Method 25A.

Parameter Monitored: VOC

Upper Permit Limit: 7.0 pounds per hour

Reference Test Method: 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 166: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 166.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Emission Point: R1B02

Process: OIL

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

**Item 166.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit limit of 22.3 lb/hr (0.0507 lb/mmbtu) S02 while burning oil in R1B02. Compliance shall be based on certification by the supplier on the percent sulfur content for each batch of fuel received. Excess emissions are to be reported.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 167: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4**



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**Item 167.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: OIL                                      Emission Source: COMBU

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

**Item 167.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit limit of 110 lb/hr (0.25 lb/mm btu) while burning oil in R1B02. These limits satisfy the NOx RACT requirements of 6 NYCRR Part 227-2 until July 1, 2014. Compliance shall be based on initial stack test using 40 CFR 60, Appendix A, Method 7E or any method acceptable to the commissioner and CEMS, thereafter. Excess emissions are to be reported.

Manufacturer Name/Model Number: TECO MODEL 42C or equivalent

Upper Permit Limit: 110.0 pounds per hour

Reference Test Method: METHOD 7E & CEMS

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 168: Compliance Certification**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable Federal Requirement:6 NYCRR 227-1.7**

**Item 168.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF                      Emission Point: R1B02  
Process: OIL                                      Emission Source: PARTI

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

**Item 168.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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Permit limit of 12.6 lb/hr (0.0286 lb/mmbtu) for PM when  
combusting oil in R1B02. Compliance shall be based on an  
initial stack test at the department's request using 40  
CFR 60, Appnedix A, Method 2 through 5.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 12.6 pounds per hour

Reference Test Method: 2 THROUGH 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



**STATE ONLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**  
**This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Emergency Defense - 6 NYCRR 201-1.5**

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

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

(3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

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

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

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

**Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and



standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.**

**Condition 169: Contaminant List**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:ECL 19-0301**

**Item 169.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000050-00-0  
Name: FORMALDEHYDE

CAS No: 000124-38-9  
Name: CARBON DIOXIDE

CAS No: 000630-08-0  
Name: CARBON MONOXIDE

CAS No: 001336-36-3  
Name: POLYCHLORINATED BIPHENYL

CAS No: 001746-01-6  
Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 007439-92-1  
Name: LEAD

CAS No: 007439-96-5  
Name: MANGANESE

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CAS No: 007439-97-6  
Name: MERCURY

CAS No: 007440-02-0  
Name: NICKEL METAL AND INSOLUBLE COMPOUNDS

CAS No: 007440-36-0  
Name: ANTIMONY

CAS No: 007440-38-2  
Name: ARSENIC

CAS No: 007440-41-7  
Name: BERYLLIUM

CAS No: 007440-43-9  
Name: CADMIUM

CAS No: 007440-47-3  
Name: CHROMIUM

CAS No: 007440-48-4  
Name: COBALT

CAS No: 007440-50-8  
Name: COPPER

CAS No: 007440-62-2  
Name: VANADIUM

CAS No: 007440-66-6  
Name: ZINC

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE

CAS No: 007647-01-0  
Name: HYDROGEN CHLORIDE

CAS No: 007664-39-3  
Name: HYDROGEN FLUORIDE

CAS No: 007664-41-7  
Name: AMMONIA

CAS No: 007664-93-9  
Name: SULFURIC ACID

CAS No: 007782-49-2  
Name: SELENIUM

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CAS No: 018540-29-9  
Name: CHROMIUM(VI)

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: 0NY508-00-0  
Name: 40 CFR 60 SUBPART IIII - NMHC + NOX

CAS No: 0NY750-00-0  
Name: CARBON DIOXIDE EQUIVALENTS

CAS No: 0NY998-00-0  
Name: VOC

CAS No: 130498-29-2  
Name: POLYCYCLIC AROMATIC HYDROCARBONS

**Condition 170: Malfunctions and start-up/shutdown activities  
Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 170.1:**

(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 171: Unavoidable noncompliance and violations**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement: 6 NYCRR 201-1.4**

**Item 171.1:**

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment 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 commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a



written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) 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.

**Condition 172: Environmental Monitor**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d)**

**Item 172.1:**

The Permittee must continue to maintain an account to fund an Environmental Monitor to monitor air and solid waste management facilities and / or activities of the Permittee. The requirements of the Environmental Monitor Account are as follows:

1. The account balance must be sufficient to meet the next nine months' anticipated expenses. Annual (or as otherwise requested by the Department) payments shall be made for the duration of this permit in accordance with following conditions:
2. Costs to be covered by this fund include:
  - a. Direct personal service costs and fringe benefits, including the cost of replacement personnel for the regularly assigned monitor and direct supervision.
  - b. Direct non-personal service costs (including purchase or lease of a vehicle, its full operating costs) and any appropriate chemical sampling and analysis.
  - c. Inflation increases and negotiated salary increases.
  - d. Overhead or support costs at the approved Federal Indirect Cost Rate.
3. As noted, the Department may revise the required payment on a quarterly basis to include all costs of monitoring to the Department. The quarterly revision may take into account factors such as inflation, salary increases, accrued interest to be applied to the balance, changes in operating hours and procedures, and the need for additional on-site monitoring.
4. Within 30 days of written notice by the Department that a payment is due, payment shall be





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sent to the New York State Department of Environmental Conservation, Bureau of Federal and Municipal Accounts, 50 Wolf Road, Albany, New York 12233-5022. Payments are to be in advance of the period in which they will be expended.

5. Upon termination of this Permit and payment of any outstanding costs, the unexpended balance, including interest, will be returned to the Permittee.
6. The Department may take appropriate action to enforce payment provisions.
7. The Permittee shall provide, to the Regional Air Pollution Control Engineer's satisfaction, secured office space, utilities, and telephone for the on-site monitor staff. All submissions made to the Regional Air Pollution Control Engineer and Solid Waste Engineer (and any other Regulatory Agency, i.e., EPA, BSA, etc.) shall be copied to the on-site Environmental Monitor.

**Condition 173: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement: 6 NYCRR 617.11 (d) (5)**

**Item 173.1:**

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

Emission Unit: U-00001

Emission Point: 00001

**Item 173.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The ratio between the actual heat input to the facility (defined for this condition as the two DBA furnaces in Emission Unit U-00001) from coal, oil, natural gas or a mixture of these fuels, as applicable, during a calendar year and the potential heat input to the two DBA steam generating units had they been operated for 8,760 hours during a calendar year at the maximum steady state design heat input capacity shall be less than 10%. Record keeping of fuel usage shall be maintained and submitted to the Region 9 air pollution control engineer in the quarterly fuel used summary report.
2. The facility operation shall not create a nuisance or cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

Monitoring Frequency: DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).



**Condition 174: Compliance Demonstration**  
Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable State Requirement: 6 NYCRR 617.11 (d) (5)**

**Item 174.1:**

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007782-49-2 SELENIUM

**Item 174.2:**

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for selenium is 6.95E-04 lb/hr from each furnace flue. Compliance stack testing for selenium using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: SELENIUM

Upper Permit Limit: 6.95E-04 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 175: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement: 6 NYCRR 617.11 (d) (5)**

**Item 175.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: DNOX2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 130498-29-2 POLYCYCLIC AROMATIC HYDROCARBONS

**Item 175.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for polycyclic aromatic hydrocarbons (toxic equivalent PAHs) is 4.17E-04 lb/hr from each furnace flue. Compliance stack testing for PAHs using 40 CFR 60, Appendix A, Method 23 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: POLYCYCLIC AROMATIC HYDROCARBONS  
Upper Permit Limit: 4.17E-04 pounds per hour  
Reference Test Method: 40 CFR 60 App A RM23  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 176: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d) (5)**

**Item 176.1:**

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

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: 00002

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: CARB1

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Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007664-41-7 AMMONIA

**Item 176.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions from each furnace flue shall not exceed 50 ppm<sub>dv</sub> corrected to 7% O<sub>2</sub> or 17.4 lb/hr whichever is more stringent. Compliance shall be based on stack tests using 40 CFR 60, Appendix A, Method 26A or any other method that will be acceptable to the Commissioner.

Parameter Monitored: AMMONIA

Upper Permit Limit: 50.0 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 App A RM26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

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Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 177: Compliance Demonstration**  
Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable State Requirement: 6 NYCRR 617.11 (d) (5)**

**Item 177.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE  
COMPOUNDS

**Item 177.2:**

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Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for nickel is 8.58E-03 lb/hr from each furnace flue. Compliance stack testing for nickel, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: NICKEL METAL AND INSOLUBLE COMPOUNDS

Upper Permit Limit: 8.58E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 178: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d) (5)**

**Item 178.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001	Emission Point: 00001



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Process: MW4	Emission Source: CARB2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: DNOX2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: FABR2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: SPRA2

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

**Item 178.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

1. Nitrogen oxides (NOx) emissions from each furnace flue shall not exceed 150 ppmdv, corrected to 7% O2, on a twenty-four hour daily arithmetic average (24-hour block).
2. The permittee shall install, operate and maintain a urea injection or other selective non-catalytic reduction system (SNCR) for the control of NOx emissions from each furnace. Emissions of NOx shall be minimized by limiting excess air into the combustion zone and maintaining combustion parameters which are specified in the design of the incinerator, and proper operation of the SNCR. The incinerator shall employ the use of roller grates with overfire air and underfire air and ammonia / urea injection. Performance of these controls shall be monitored by the use of continuous emission monitoring system (CEMS) to monitor NOx concentrations in the stack.

Compliance shall be based on CEMS in accordance with 40 CFR 60 Appendices B and F. Excess emissions are to be reported.

Manufacturer Name/Model Number: TECO Model 42C or equivalent

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 150.0 parts per million by volume  
(dry, corrected to 7% O2)

Reference Test Method: 40 CFR 60 App A RM7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC)



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MEAN)  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 3 calendar month(s).

**Condition 179: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement: 6 NYCRR 617.11 (d) (5)**

**Item 179.1:**

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):

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CAS No: 007439-96-5 MANGANESE

**Item 179.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for manganese is 3.43E-02 lb/hr from each furnace flue. Compliance stack testing for manganese using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: MANGANESE

Upper Permit Limit: 3.43E-02 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 180: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement: 6 NYCRR 617.11 (d) (5)**

**Item 180.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001	Emission Point: 00001

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Process: MW4	Emission Source: 10002
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: CARB2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: DNOX2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: FABR2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: SPRA2

Regulated Contaminant(s):  
 CAS No: 000050-00-0      FORMALDEHYDE

**Item 180.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for formaldehyde is 9.80E-02 lb/hr from each furnace flue. Compliance stack testing for formaldehyde using 40 CFR 60, Appendix IX, Method 0011 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: FORMALDEHYDE  
 Upper Permit Limit: 9.80E-02 pounds per hour  
 Reference Test Method: Method 0011  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 181: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d) (5)**

**Item 181.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001	Emission Point: 00001
------------------------	-----------------------

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Process: MW3	Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 007440-50-8	COPPER

**Item 181.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for copper is 8.58E-03 lb/hr from each furnace flue. Compliance stack testing for copper, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: COPPER



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Upper Permit Limit: 8.58E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

**METHOD INDICATED**

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 182: Compliance Demonstration**

**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d) (5)**

**Item 182.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2



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Regulated Contaminant(s):  
CAS No: 007440-48-4 COBALT

**Item 182.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for cobalt is 1.72E-03 lb/hr from each furnace flue. Compliance stack testing for cobalt, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: COBALT

Upper Permit Limit: 1.72E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 183: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d) (5)**

**Item 183.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY

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Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 018540-29-9	CHROMIUM(VI)

**Item 183.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for chromium VI is 1.96e-03 lb/hr from each furnace flue. Permit limit for total chromium is 6.86E-03 lb/hr from each furnace flue. Compliance stack testing for chromium VI will not be required by the Department provided that testing is done for total chromium and the emission for total chromium is less than the permit limit for chromium VI. Compliance stack testing for total chromium using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department. If required, compliance testing for chromium VI will be done using 40 CFR 60, Appendix A, Method 0013 or any equivalent method acceptable to the Commissioner.

Parameter Monitored: CHROMIUM(VI)

Upper Permit Limit: 1.96E-03 pounds per hour

Reference Test Method: Method 0013

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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**Condition 184: Compliance Demonstration**

Effective between the dates of 05/02/2014 and 05/01/2019

**Applicable State Requirement:6 NYCRR 617.11 (d) (5)**

**Item 184.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

**Item 184.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Permittee shall take measures to exclude from this facility the following:





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1. Yard waste (such as leaves, grass, brush/branches and stumps/tree sections;
2. Motor vehicle or other batteries;
3. White goods such as hot water boilers, washers and/or dryers, refrigerator, metal furniture, mattresses and other household appliances, or bulk waste having dimensions larger than the furnace ram feeder;
4. Hazardous waste as defined in 6 NYCRR Part 371;
5. Explosives;
6. Radiation equipment or radioactive materials as defined by 6 NYCRR Part 380;
7. Pathological or biological waste (i.e. regulated medical waste as defined in 6 NYCRR Part 364);
8. Tires.

Note: Municipal solid waste which includes non-hazardous residential, commercial, governmental and/or industrial waste (as approved on a case by case basis by the NYSDEC) streams are acceptable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 185: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d) (5)**

**Item 185.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY

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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: 10002

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: CARB2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: DNOX2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007440-36-0      ANTIMONY

**Item 185.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for antimony is 8.58E-03 lb/hr from each furnace flue. Compliance stack testing for antimony using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: ANTIMONY

Upper Permit Limit: 8.58E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 186: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d) (5)**

**Item 186.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 186.2:**

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Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operating requirement for this permit: The total facility charging rate shall not exceed 821,250 tons per year. Waste charge is recorded on a per delivery basis to track compliance with this limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 3 calendar month(s).

**Condition 187: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d) (5)**

**Item 187.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2

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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

**Item 187.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for polychlorinated biphenyls (PCBs) is 2.45E-04 lb/hr from each furnace flue. Compliance stack testing for PCBs using 40 CFR 60, Appendix A, Method 23 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: POLYCHLORINATED BIPHENYL

Upper Permit Limit: 2.45E-04 pounds per hour

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 188: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d) (5)**

**Item 188.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: 00002

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: CARB1

Emission Unit: U-00001  
Process: MW3

Emission Point: 00001  
Emission Source: DENOX



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

**Item 188.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. OPERATION REQUIREMENTS

A. Emissions of sulfur dioxide, sulfuric acid mist, hydrogen chloride, particulate matter, PM-10, lead, mercury, beryllium and fluorides shall be controlled by employing a dry-lime scrubber, activated carbon injection system and a baghouse utilizing fabric filters. Performance of these controls shall be monitored by the requirements specified in the Emissions Testing and Monitoring conditions as follows.

2. EMISSIONS TESTING / MONITORING

A. Manual stack testing shall be conducted for the following contaminants under representative operating conditions:

- Total Particulate Matter
- Sulfur Dioxide
- Nitrogen Oxides as Nitrogen Dioxide



- Carbon Monoxide
- Oxygen
- Moisture
- Hydrogen Chloride
- Polychlorinated Dibenzo-P-Dioxins
- Polychlorinated Dibenzo Furans
- Total Polycyclic Aromatic Hydrocarbons (PAH)
- Hydrogen Fluoride
- Polychlorinated Biphenyls (PCBs)
- Trace Metals (Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Tin, Vanadium, Zinc)
- Ammonia
- Formaldehyde
- Sulfuric Acid Mist
- Volatile Organic Compounds (VOC's)
- Hexavalent Chrome

B. The list of contaminants given above shall be sampled on a calendar year basis (no less than 9 calendar months and no more than 15 calendar months following the previous compliance test) and must complete five performance tests in each 5-year calendar period unless an alternate sampling schedule for a specific contaminant is provided elsewhere in this permit.

C. Demonstration of compliance with the emissions limits specified in this Permit shall be only from stack testing performed according to the stack test protocol approved by the Department and CEMS data obtained according to the approved CEMS Monitoring Plan. All testing shall be conducted, where appropriate, according to USEPA Reference Methods, as given in 40 CFR Part 60, Appendix A, and must be acceptable to the Commissioner. Witnessing by the Department of all stack tests is required. The Department will not accept the results of any stack tests done in the absence of the approved protocol, or which are not witnessed.

D. Continuous Monitoring - At a minimum, valid continuous emissions monitoring system data shall be obtained for 75% of the hours per day and 90% of the days per calendar quarter that the MWC is operated and combusting municipal solid waste.

For CEMS block averages greater than 1-hour (such as 4-hour and 24-hour blocks), 75% of the 1-hour averages must be valid in order to have a valid block average. Block averages with less than 75% of valid 1-hour averages would be partial blocks that would not be used for compliance but would be reported in the quarterly excess emissions report along with the date, time period, and



reason.

A partial block period could result during any block, other than the 1-hour period, that does not have solid waste continuously burning due to startup or shutdown or the unit being off line or the continuous emission monitoring being down (i.e., cylinder gas audit, etc.) for part of the block period. The exemption of data use under the Emission Guidelines (40 CFR 60.58b(a)(1)) may also create a partial block. Emission standards or permit limitations applicable to block periods are not applicable to the partial block periods. All partial block periods and the reason for the partial block period must be reported in the quarterly excess emissions report.

E. Should the Permittee desire, it may request correction of the emissions' limitations contained herein based on an equivalent CO<sub>2</sub> dilution rather than the O<sub>2</sub> diluent provided for in this Permit. The USEPA Test Method 3A (40 CFR 60 Appendix A) shall be used to determine the oxygen concentration at the same location as the carbon dioxide monitor.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 189: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement: 6 NYCRR 617.11 (d) (5)**

**Item 189.1:**

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001	Emission Point: 00001



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Process: MW3	Emission Source: SPRAY
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: 10002
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: CARB2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: DNOX2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: FABR2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: SPRA2
Regulated Contaminant(s):	
CAS No: 007647-01-0	HYDROGEN CHLORIDE

**Item 189.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emissions from each furnace flue shall not exceed 37.1 lbs/hr, as measured by 40 CFR 60, Appendix A, Method 26A or any equivalent method acceptable to the Commissioner.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 37.1 pounds per hour

Reference Test Method: 40 CFR 60 App A RM26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 190: Compliance Demonstration**

Effective between the dates of 05/02/2014 and 05/01/2019

Applicable State Requirement: 6 NYCRR 617.11 (d) (5)

**Item 190.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001	Emission Point: 00001
Process: MW3	Emission Source: 00002



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Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007440-66-6      ZINC

**Item 190.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for zinc is 8.58E-02 lb/hr from each furnace flue. Compliance stack testing for zinc, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: ZINC

Upper Permit Limit: 8.58E-02 pounds per hour

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Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 191: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement: 6 NYCRR 617.11 (d) (5)**

**Item 191.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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Regulated Contaminant(s):
CAS No: 007440-62-2 VANADIUM

Item 191.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for vanadium is 6.86E-04 lb/hr from each furnace flue. Compliance stack testing for vanadium using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: VANADIUM

Upper Permit Limit: 6.86E-04 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 192: Compliance Demonstration
Effective between the dates of 05/02/2014 and 05/01/2019

Applicable State Requirement:6 NYCRR 617.11 (d) (5)

Item 192.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include MW3 processes at various points like 00001, 00002, CARB1, DENOX, FABRI, INCIN, and SPRAY.



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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: 10002

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: CARB2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: DNOX2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

Regulated Contaminant(s):  
CAS No: 007647-01-0      HYDROGEN CHLORIDE

**Item 192.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emissions from each furnace flue shall not exceed 25 ppmdv, corrected to 7% O2, using 40 CFR 60, Appendix A, Method 26A or any equivalent method acceptable to the Commissioner, unless uncontrolled emissions are reduced by not less than 95 percent.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 25.0 parts per million by volume  
(dry, corrected to 7% O2)

Reference Test Method: 40 CFR 60 App A RM26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

**Condition 193: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 219-7.2**

**Item 193.1:**

The Compliance Demonstration activity will be performed for the facility:



The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 007439-97-6	MERCURY

**Item 193.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 85 percent reduction by weight Mercury emission limit cited in this permit under 6 NYCRR 219-7.2. Annual stack testing for Mercury shall follow the procedures contained in 40 CFR 60.58b(d)(2). Emission control devices must be

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kept 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 devices effectively.

Parameter Monitored: MERCURY

Upper Permit Limit: 28 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

Subsequent reports are due every 12 calendar month(s).

**Condition 194: Compliance Demonstration**  
**Effective between the dates of 05/02/2014 and 05/01/2019**

**Applicable State Requirement:6 NYCRR 219-7.2**

**Item 194.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2

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Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: FABR2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: INCI2

Emission Unit: U-00001  
Process: MW4

Emission Point: 00001  
Emission Source: SPRA2

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

**Item 194.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit. The Permittee shall meet the less stringent of this limit (percent reduction), or the concentration Mercury emission limit cited in this permit under 6 NYCRR 219-7.2. Annual stack testing for Mercury shall follow the procedures contained in 40 CFR 60.58b(d)(2). Emission control devices must be kept 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 devices effectively.

Parameter Monitored: MERCURY

Lower Permit Limit: 85 percent reduction by weight  
(corrected to 7% O<sub>2</sub>, dry basis)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

Subsequent reports are due every 12 calendar month(s).

