

**New York State Department of Environmental Conservation
Facility DEC ID: 9291100113**



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

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-2911-00113/00039
Effective Date: 06/05/2007 Expiration Date: 06/04/2012

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

Contact: WILLIAM T GLEASON
COVANTA NIAGARA LP
100 ENERGY BLVD @ 56TH ST
NIAGARA FALLS, NY 14304

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

Description:

The site consists of two Deutshe Babcock Anlagen (DBA) furnace/boiler systems combusting solid wastes. 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 generator is sold to several neighboring industrial facilities. The oil fired burner 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-fueled fired boilers and ash loadout area. All other activities at the site are categorized as exempt, trivial or insignificant as defined in 6NYCRR Part 201-3.2, 201-3.3, and 201-6.3(d) 7, respectively.

This permit is a renewal and modification of the existing Title V permit. Modifications include:

- (1) An emission unit that consists of an exhaust system for a diesel engine powered drum auger/shredder.
- (2) Upon review of the first four annual stack tests conducted at the facility, permit limits of 15 pollutants were lowered from originally permitted levels ranging from 15 to 65 percent. All other contaminant emission limits remained unchanged. Note: The original permit limits presented no significant health or environmental risk as reported in the Health Risk Assessment which was provided as part of the original permit application for the installation of the DBA furnace/boiler systems.

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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: DAVID S DENK
 DIVISION OF ENVIRONMENTAL PERMITS
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2999

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 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 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
Applications for Permit Renewals and Modifications
Permit modifications, suspensions or revocations by the Department
Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 9
HEADQUARTERS
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: 6NYCRR 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:



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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: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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 4.2:

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 4.3:

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

Item 5.1:

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

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

Condition 6: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 6.1:

The Department reserves the right 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;

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- 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 7: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 7.1:

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 14203-2999
(716) 851-7165

Condition 8: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)

Item 8.1:

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 14203-2999
(716) 851-7165



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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

Authorized Activity By Standard Industrial Classification Code:
4939 - COMBINATION UTILITY SERVICES
4953 - REFUSE SYSTEMS

Permit Effective Date: 06/05/2007

Permit Expiration Date: 06/04/2012



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 202-2.1: Compliance Certification
- 7 6NYCRR 202-2.5: Recordkeeping requirements
- 8 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 9 6NYCRR 200.7: Maintenance of Equipment
- 10 6NYCRR 201-1.7: Recycling and Salvage
- 11 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 12 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 13 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 14 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 15 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 16 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 17 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 18 6NYCRR 202-1.1: Required Emissions Tests
- 19 6NYCRR 211.3: Visible Emissions Limited
- 20 40CFR 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6NYCRR 201-6: Emission Unit Definition
- 23 6NYCRR 201-6.5(e): Compliance Certification
- 24 6NYCRR 204-1.6: Permit requirements (facilities commencing operation on or after 01/00)
- 25 6NYCRR 204-2.1: Submissions to the Department.
- 26 6NYCRR 204-4.1: Contents of reports and compliance certifications.
- 27 6NYCRR 204-4.1: Discretionary report contents.
- 28 6NYCRR 204-4.1: Compliance Certification
- 29 6NYCRR 204-7.1: Submission of NOx allowance transfers.
- 30 6NYCRR 204-8.1: General provisions.
- 31 6NYCRR 204-8.1: Prohibitions.
- 32 6NYCRR 204-8.1: Requirements for installation, certification, and data accounting.
- 33 6NYCRR 204-8.2: Requirements for recertification of monitoring systems.
- 34 6NYCRR 204-8.3: Out of control periods.
- 35 6NYCRR 204-8.4: Compliance Certification
- 36 6NYCRR 204-8.7: Compliance Certification
- 37 40CFR 60.35b, NSPS Subpart Cb: Operating Manual



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- 38 40CFR 60.35b, NSPS Subpart Cb: Operator Certification
- 39 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 40 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.
- 41 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification

Emission Unit Level

- 42 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 43 6NYCRR 201-6: Process Definition By Emission Unit

EU=U-00001,Proc=MSW

- 44 6NYCRR 200.6: Compliance Certification
- 45 6NYCRR 200.7: Compliance Certification
- 46 6NYCRR 200.7: Compliance Certification
- 47 6NYCRR 200.7: Compliance Certification
- 48 6NYCRR 201-6: Compliance Certification
- 49 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification

EU=U-00001,EP=00001,Proc=MSW

- 50 40CFR 60.34b, NSPS Subpart Cb: MWC Unit Load Level
- 51 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

EU=U-00001,EP=00001,Proc=MSW,ES=DENOX

- 52 40CFR 52.21(j)(2), Subpart A: Compliance Certification

EU=U-00001,EP=00001,Proc=MSW,ES=FABRI

- 53 6NYCRR 201-6: Compliance Certification
- 54 6NYCRR 201-6: Compliance Certification
- 55 6NYCRR 201-6: 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 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 66 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 67 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 68 40CFR 60.33b(a)(2)(iii), NSPS Subpart Cb: Compliance Certification
- 69 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 70 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 71 40CFR 60.33b(b)(1)(i), NSPS Subpart Cb: Compliance Certification
- 72 40CFR 60.33b(b)(1)(i), NSPS Subpart Cb: Compliance Certification
- 73 40CFR 60.33b(b)(2)(i), NSPS Subpart Cb: Compliance Certification
- 74 40CFR 60.33b(b)(2)(i), NSPS Subpart Cb: Compliance Certification
- 75 40CFR 60.33b(c)(1)(ii), NSPS Subpart Cb: Compliance Certification

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76 40CFR 60.33b(d), NSPS Subpart Cb: Compliance Certification

EU=U-00001,EP=00001,Proc=MSW,ES=INCIN

- 77 6NYCRR 201-6: Compliance Certification
- 78 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 79 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 80 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 81 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification

EU=U-110EF

- 82 6NYCRR 201-6: Compliance Certification
- 83 6NYCRR 201-6: Compliance Certification
- 84 6NYCRR 201-6: Compliance Certification
- 85 6NYCRR 201-6: Compliance Certification

EU=U-110EF,Proc=ALT

- 86 6NYCRR 201-6: Compliance Certification
- 87 6NYCRR 201-6: Compliance Certification
- 88 6NYCRR 201-6: Compliance Certification
- 89 6NYCRR 201-6: Compliance Certification

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

- 90 6NYCRR 212.4: Compliance Certification

EU=U-110EF,Proc=OAG

- 91 6NYCRR 201-6: Compliance Certification
- 92 6NYCRR 201-6: Compliance Certification
- 93 6NYCRR 201-6: Compliance Certification
- 94 6NYCRR 227-1.3: Compliance Certification
- 95 40CFR 60.42, NSPS Subpart D: Compliance Certification

EU=U-110EF,EP=00003

- 96 6NYCRR 227-2.5(c): Alternative RACT Emissions

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

- 97 6NYCRR 227-1.7: Compliance Certification

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

- 98 6NYCRR 227-2.4: Compliance Certification
- 99 40CFR 52.21(i)(3), Subpart A: Compliance Certification
- 100 40CFR 52.21(i)(3), Subpart A: Compliance Certification

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

- 101 6NYCRR 201-6: Compliance Certification
- 102 6NYCRR 227-1.7: Compliance Certification



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

103 6NYCRR 201-6: Compliance Certification

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

104 6NYCRR 227-1.7: Compliance Certification

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

105 6NYCRR 227-2.6(a)(1): Testing, monitoring, and reporting requirements for very large boilers.

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

106 6NYCRR 227-2.4: Compliance Certification

107 40CFR 52.21(i)(3), Subpart A: Compliance Certification

108 40CFR 52.21(i)(3), Subpart A: Compliance Certification

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

109 6NYCRR 201-6: Compliance Certification

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

110 6NYCRR 227-1.7: Compliance Certification

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

111 6NYCRR 212.6(a): Compliance Certification

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

112 6NYCRR 201-6: Compliance Certification

113 6NYCRR 212: Compliance Certification

114 6NYCRR 212.4(b): Compliance Certification

115 6NYCRR 212.4(b): Compliance Certification

116 6NYCRR 212.4(b): Compliance Certification

117 6NYCRR 212.4(b): Compliance Certification

118 6NYCRR 227-2.4: Compliance Certification

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

119 6NYCRR 212: Compliance Certification

120 6NYCRR 212: Compliance Certification

121 6NYCRR 212: Compliance Certification

122 6NYCRR 212.4: Compliance Certification

123 6NYCRR 212.4(b): Compliance Certification

124 6NYCRR 212.4(b): Compliance Certification

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

125 6NYCRR 201-6: Compliance Certification

126 6NYCRR 227-2.4: Compliance Certification

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

127 6NYCRR 227-1.7: Compliance Certification

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

128 40CFR 52.21(i)(3), Subpart A: Compliance Certification

129 40CFR 52.21(i)(3), Subpart A: Compliance Certification

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

130 6NYCRR 201-6: Compliance Certification

131 6NYCRR 227-2.4: Compliance Certification

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

132 6NYCRR 227-1.7: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

133 ECL 19-0301: Contaminant List

134 6NYCRR 201-1.4: Unavoidable noncompliance and violations

135 6NYCRR 211.2: Air pollution prohibited

136 6NYCRR 219-7.2: Compliance Demonstration

137 6NYCRR 219-7.2: Compliance Demonstration

138 6NYCRR 237-1.4(a): Applicable Facility, with a unit of a capacity
of 25 MWe or greater

139 6NYCRR 237-1.6(a): Permit Requirements

140 6NYCRR 237-1.6(c): Compliance Demonstration

141 6NYCRR 237-2: Authorization and responsibilities of the NOx
authorized account representative

142 6NYCRR 237-4.1: Compliance Demonstration

143 6NYCRR 237-7.1: Submission of NOx allowance transfers

144 6NYCRR 237-8: Compliance Demonstration

145 6NYCRR 617.11(d): Environmental Monitor

Emission Unit Level

EU=U-00001,Proc=MSW

146 6NYCRR 617.11(d)(5): Compliance Demonstration

147 6NYCRR 617.11(d)(5): Compliance Demonstration

148 6NYCRR 617.11(d)(5): Compliance Demonstration

149 6NYCRR 617.11(d)(5): Compliance Demonstration

EU=U-00001,EP=00001,Proc=MSW,ES=DENOX

150 6NYCRR 617.11(d)(5): Compliance Demonstration

151 6NYCRR 617.11(d)(5): Compliance Demonstration

EU=U-00001,EP=00001,Proc=MSW,ES=FABRI

152 6NYCRR 617.11(d)(5): Compliance Demonstration

153 6NYCRR 617.11(d)(5): Compliance Demonstration

154 6NYCRR 617.11(d)(5): Compliance Demonstration

155 6NYCRR 617.11(d)(5): Compliance Demonstration

156 6NYCRR 617.11(d)(5): Compliance Demonstration



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- 157 6NYCRR 617.11(d)(5): Compliance Demonstration
- 158 6NYCRR 617.11(d)(5): Compliance Demonstration
- 159 6NYCRR 617.11(d)(5): Compliance Demonstration
- 160 6NYCRR 617.11(d)(5): Compliance Demonstration
- 161 6NYCRR 617.11(d)(5): Compliance Demonstration

EU=U-00001,EP=00001,Proc=MSW,ES=INCIN

- 162 6NYCRR 617.11(d)(5): Compliance Demonstration
- 163 6NYCRR 617.11(d)(5): Compliance Demonstration
- 164 6NYCRR 617.11(d)(5): Compliance Demonstration

EU=U-00001,EP=00001,Proc=MSW,ES=SPRAY

- 165 6NYCRR 617.11(d)(5): Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6NYCRR Part 201-1.5

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

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

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

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

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

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

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

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

Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 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



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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)

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

Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)

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

Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)

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

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(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

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order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

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

Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)

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

Item J: Permit Shield - 6 NYCRR Part 201-6.5(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

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Act;

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

Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

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

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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



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

Item L: Permit Exclusion - ECL 19-0305

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

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

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

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



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any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(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 72-0302.

Condition 3: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(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 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(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



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regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(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.

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(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 201-6.3(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.

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports 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 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 202-2.1

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:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar

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year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 7: Recordkeeping requirements

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 7.1:

(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 8: Open Fires Prohibited at Industrial and Commercial Sites

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 215

Item 8.1:

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

**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 9: Maintenance of Equipment

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 200.7



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Item 9.1:

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 10: Recycling and Salvage
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 10.1:

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

Condition 11: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 11.1:

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 12: Exempt Sources - Proof of Eligibility
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 12.1:

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

Condition 13: Trivial Sources - Proof of Eligibility
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 13.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be



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required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

Condition 14: Standard Requirement - Provide Information
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)

Item 14.1:

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 15: General Condition - Right to Inspect
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)

Item 15.1:

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

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

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

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

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

Condition 16: Standard Requirements - Progress Reports
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)

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Item 16.1:

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 17: Off Permit Changes

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(6)

Item 17.1:

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

- (i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
- (ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 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. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to

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suspend or deny a certificate to operate.

Condition 19: Visible Emissions Limited
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 211.3

Item 19.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 20: Accidental release provisions.
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 68

Item 20.1:

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 21: Recycling and Emissions Reduction
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 21.1:

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 22: Emission Unit Definition
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 22.1:

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 22.2:

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

Emission Unit: U-110EF

Emission Unit Description:

This emission unit consists of three 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) and EP 00003 (B-110). All three boilers are permitted to combust fossil fuels (i.e., low sulfur distillate oil and natural gas). In addition, R1B02 is allowed combustion of alternate fuels (ALT) which consist primarily of waste wood.

Building(s): BLR50
EFW12

Item 22.3:

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

Emission Unit: U-ASHBD

Emission Unit Description:



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

Building(s): ALOBD

Item 22.4:

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

Emission Unit: U-SHRED

Emission Unit Description:

This emission unit consists of an exhaust system for a diesel engine powered drum auger/shredder. The diesel engine exhaust is piped to outside the tipping floor north wall.

Building(s): R1A00

Condition 23: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(e)

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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elsewhere in this permit related to compliance certification.

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

iii. Compliance certifications shall be submitted annually. Certification reports are due 45 days after the anniversary date of four consecutive calendar quarters. The first report is due 45 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:

270 Michigan Avenue
Buffalo, NY 14203-2999

The address for the BQA is as follows:

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



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Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 2/14/2008.

Subsequent reports are due on the same day each year

Condition 24: Permit requirements (facilities commencing operation on or after 01/00)

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-1.6

Item 24.1: The NOx authorized account representative of each NOx budget unit shall submit to the Department a complete NOx Budget permit application (as defined under Section 204-3.3) by May 1, 2002 or 12 months before the date on which the NOx Budget unit commences operation.

Condition 25: Submissions to the Department.

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-2.1

Item 25.1: Each submission under the NOx Budget Trading Program shall be submitted, signed and certified by the NOx authorized account representative for each NOx Budget source on behalf of which the submission is made. Each submission shall include a certification statement (as stated in paragraph 204-2.4(a)(4)) by the NOx authorized account representative.

Condition 26: Contents of reports and compliance certifications.

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-4.1

Item 26.1: The NOx authorized account representative shall include in the compliance certification report the following elements, in a format prescribed by the Administrator, concerning each unit at the source and subject to the NOx Budget emissions limitation for the control period covered by the report:

(1) Identification of each NOx Budget unit; and

(2) In the compliance certification report the NOx authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NOx Budget units at the source in compliance with the NOx Budget Trading Program, whether each NOx Budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the requirements of the NOx Budget Trading Program applicable to the unit, including:

(i) Whether the unit was operated in compliance with the NOx Budget emissions limitation;

(ii) Whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute NOx emissions to the unit,



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in accordance with Subpart 204-8;

(iii) Whether all the NO_x emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 204-8. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions has been made;

(iv) Whether the facts that form the basis for certification under Subpart 204-8 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 204-8, if any, has changed; and

(v) If a change is required to be reported under item (iv) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

Condition 27: Discretionary report contents.

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-4.1

Item 27.1: At the NO_x authorized account representative's option the following may be included in the compliance certification report:

(1) The serial numbers of the NO_x allowances that are to be deducted from each unit's compliance account under Section 204-6.5 for the control period; and

(2) For units sharing a common stack and having NO_x emissions that are not monitored separately or apportioned in accordance with Subpart 204-8, the percentage of NO_x allowances that is to be deducted from each unit's compliance account under Subdivision 204-6.5(e).

Condition 28: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-4.1

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each control period in which one or more NO_x Budget units at a source are subject to the NO_x Budget emissions limitation, the NO_x authorized account representative of the source shall submit to the Department and the Administrator by November 30 of that year, a compliance



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certification report for each source covering all such units.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Submission of NO_x allowance transfers.
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-7.1

Item 29.1: The NO_x authorized account representatives seeking recordation of a NO_x allowance transfer shall submit the transfer to the Administrator. To be considered correctly submitted, the NO_x allowance transfer shall include the following elements in a format specified by the Administrator:

- (a) The numbers identifying both the transferor and transferee accounts;
- (b) A specification by serial number of each NO_x allowance to be transferred; and
- (c) The printed name and signature of the NO_x authorized account representative of the transferor account and the date signed.

Condition 30: General provisions.
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 30.1: The owners and operators, and to the extent applicable, the NO_x authorized account representative of a NO_x Budget unit, shall comply with the monitoring 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 204-1.2 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 replaced by the terms "NO_x Budget unit," "NO_x authorized account representative," and "continuous emission monitoring system" (or "CEMS"), respectively, as defined in Section 204-1.2.

Condition 31: Prohibitions.
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 31.1: No owner or operator of a NO_x Budget unit or a non-NO_x Budget unit monitored under 40 CFR 75.72(b)(2)(ii) shall:

- (1) use any alternative monitoring system, alternative reference method, or any other alternative for the required continuous emission monitoring system without having obtained prior written approval in accordance with Section 204-8.6;
- (2) operate the unit so as to discharge, or allow to be discharged, NO_x emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75 except as provided for in 40 CFR 75.74;
- (3) disrupt the continuous emission monitoring system, any portion thereof, or any other approved



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emission monitoring method, and thereby avoid monitoring and recording NO_x mass emissions discharged into the atmosphere, 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 except as provided for in 40 CFR 75.74; and

(4) permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved emission monitoring system under this Subpart, except under any one of the following circumstances:

(i) 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 discontinued monitoring system; or

(ii) The NO_x authorized account representative submits notification of the date of certification testing of a replacement monitoring system in accordance with Paragraph 204-8.2(b)(2).

Condition 32: Requirements for installation, certification, and data accounting.

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 32.1: The owner or operator of each NO_x Budget unit must meet the following requirements. These provisions also apply to a unit for which an application for a NO_x Budget opt-in permit is submitted and not denied or withdrawn, as provided in Subpart 204-9:

(1) Install all monitoring systems required under this Subpart for monitoring NO_x mass. This includes all systems required to monitor NO_x emission rate, NO_x concentration, heat input, and air or fuel flow, in accordance with 40 CFR 75.71 and 75.72.

(2) Install all monitoring systems for monitoring heat input, if required under Section 204-8.7 for developing NO_x allowance allocations.

(3) Successfully complete all certification tests required under Section 204-8.2 and meet all other provisions of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraphs (a)(1) and (2) of this section.

(4) Record and report data from the monitoring systems under paragraphs (a)(1) and (2) of this section.

Condition 33: Requirements for recertification of monitoring systems.

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-8.2

Item 33.1: Whenever the owner or operator makes a replacement, modification, or change in a certified monitoring system that the Administrator or the Department determines significantly affects the ability of the system to accurately measure or record NO_x mass emissions or heat input or to meet the requirements of 40 CFR 75.21 or Appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system according to 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 the Administrator or the Department determines to significantly change the flow or concentration profile,



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the owner or operator shall recertify the continuous emissions monitoring system according to 40 CFR 75.20(b). Examples of changes which require recertification include: replacement of the analyzer, change in location or orientation of the sampling probe or site, or changing of flow rate monitor polynomial coefficients.

Condition 34: Out of control periods.
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-8.3

Item 34.1: Whenever any monitoring system fails to meet the quality assurance requirements of Appendix B of 40 CFR Part 75, data shall be substituted using the applicable procedures in Subpart D, Appendix D, or Appendix E of 40 CFR Part 75.

Condition 35: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-8.4

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: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The Authorized Account Representative for a NO_x Budget unit shall submit written notice to the Department and the USEPA Administrator in accordance with the requirements of this subpart as follows:

All monitoring plans or monitoring plan modifications; compliance certifications, recertifications and quarterly QA/QC reports; and, petitions for alternative monitoring, shall be submitted to the USEPA Administrator (or his/her representatives) as well as two copies to the Department (one copy to the Regional Air Pollution Control Engineer (RAPCES) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office. All Authorized Account Representative changes shall be sent to the NYSDEC central office.

All quarterly emission data shall be electronically filed with the USEPA Clean Air Markets Division with a copy (disc or hard copy) to the NYSDEC offices.

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The address for the USEPA Administrator is as follows:

USEPA Clean Air Markets Division
1200 Pennsylvania Avenue, NW
Mail Code 6204J
Washington D.C. 20460

CEM Coordinator
USEPA-Region 2
2890 Woodbridge Avenue
Edison, N.J. 08837

The address for the BQA is as follows:

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

AAR changes should be sent to the attention of:

NYSDEC
Stationary Source Planning Section
Bureau of Air Quality Planning
625 Broadway, 2nd Floor
Albany NY 12233-3251

The address for the RAPCE is as follows:

270 Michigan Avenue
Buffalo, NY 14203-2999

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 36: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 204-8.7

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Item 36.2:

Compliance Certification shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a unit that elects to monitor and report NO_x Mass emissions using a NO_x concentration system and a flow system shall also monitor and report heat input at the unit level using the procedures set forth in 40 CFR Part 75.

Monitoring Frequency: HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 37: Operating Manual

Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 37.1:

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;
- (7) Procedures for responding to periodic upset or off-specification conditions;
- (8) Procedures for minimizing particulate matter carryover;
- (9) Procedures for handling ash;
- (10) Procedures for monitoring municipal waste combustor unit emissions; and
- (11) Reporting and recording keeping procedures.

A training program shall be established to review the operating manual according to the schedule below, with each person who has responsibilities affecting the operation of a municipal waste combustor including, but not limited to, chief facility operators, shift supervisors, control room operators, ash handlers, maintenance personnel, and crane/load handlers. Training shall be completed as follows:

(1) Initial training shall be completed by the date prior to the day when the person assumes responsibilities affecting municipal waste combustor unit operation, and

(2) Annually, following the initial training.



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The operating manual must be kept in a readily accessible location for all persons required to undergo training. The operating manual and records of training must be available for inspection by the Department upon request.

Condition 38: Operator Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 38.1:

The Permittee shall not allow the municipal waste combustor to be operated at any time unless a fully certified chief facility operator or fully certified shift supervisor is on duty and at the municipal waste combustor unit. If the person listed above must leave the municipal waste combustor unit during their operating shift, a provisionally certified control room operator who is onsite at the municipal waste combustor unit may fulfill the requirement of this condition.

Condition 39: Operator Training
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 39.1:

All chief facility operators, shift supervisors, and control room operators must complete a municipal waste combustor operator training course which is acceptable to the Department prior to the date they assume responsibilities that affect operation of the municipal waste combustor unit. This requirement does not apply to chief facility operators, shift supervisors, and control room operators who have obtained full certification from the American Society of Mechanical Engineers on or before October 5, 1998. The owner or operator may request that the Department waive the requirements of this condition for chief facility operators, shift supervisors, and control room operators who have obtained only provisional certification from the American Society of Mechanical Engineers on or before October 5, 1998.

Condition 40: Compliance and performance testing.
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 60.38b, NSPS Subpart Cb

Item 40.1:

The Permittee shall meet the compliance and performance testing requirements listed in 40 CFR 60.58b, as applicable, to determine compliance with the limits specified in this permit.

Item 40.2:

If the MWC achieves a dioxin/furan emission level less than or equal to 15 nanograms per dry standard cubic meter total mass, corrected to 7 percent oxygen, the alternative performance testing schedule for dioxins/furans specified in 40 CFR 60.58b(g)(5)(iii) may be used.



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Condition 41: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Item 41.2:

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: ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 2/14/2008.

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

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

Condition 42: Emission Point Definition By Emission Unit

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 42.1:

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

NYTMN (km.): 4777.82 NYTME (km.): 173.629 Building: STACK

Item 42.2:

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



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Emission Unit: U-110EF

Emission Point: 00003

Height (ft.): 150 Diameter (in.): 120
NYTMN (km.): 4777.82 NYTME (km.): 173.629 Building: BLR50

Emission Point: R1B01

Height (ft.): 210 Diameter (in.): 120
NYTMN (km.): 4777.82 NYTME (km.): 173.629 Building: EFW12

Emission Point: R1B02

Height (ft.): 210 Diameter (in.): 120
NYTMN (km.): 4777.82 NYTME (km.): 173.629 Building: EFW12

Item 42.3:

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.): 4777.82 NYTME (km.): 173.629 Building: ALOBD

Item 42.4:

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

Emission Unit: U-SHRED

Emission Point: 00007

Height (ft.): 40 Diameter (in.): 6
Building: R1A00

Condition 43: Process Definition By Emission Unit

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 43.1:

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

Emission Unit: U-00001

Process: AL1

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

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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 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.

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



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Waste Feed Method: CHUTE FED

Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Item 43.2:

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

Emission Unit: U-00001

Process: MSW

Source Classification Code: 5-01-001-02

Process Description:

The two identical DBA systems combust solid wastes which include residential, commercial and industrial non-hazardous wastes. 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 part 201-1.4 and 201-1.5 apply to the facility.

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 43.3:

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

Emission Unit: U-00001

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Process: STS

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.

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 43.4:

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 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 43.5:

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

Emission Unit: U-110EF

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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 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 43.6:

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 43.7:

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

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Process Description:

This process involves the combustion of low sulfur distillate oil and natural gas in the three fossil-fueled 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.

Emission Source/Control: COMB1 - Combustion

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

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

Item 43.8:

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 43.9:

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

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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 43.10:

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

Item 43.11:

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

Emission Unit: U-SHRED

Process: EXH

Source Classification Code: 5-01-001-02

Process Description:

This process involves operation of a diesel powered drum auger/shredder. The unit operates several hours each day dependent on the number of drums received at the plant. Operating hours are tracked by diesel engine hour meter.

Emission Source/Control: EXHST - Process
Design Capacity: 450 horsepower (mechanical)

Condition 44: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 200.6

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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Process: MSW

Item 44.2:

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 7/30/2007.

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

Condition 45: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 200.7

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 45.2:

Compliance Certification shall include the following monitoring:



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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 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 7/30/2007.

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

Condition 46: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 200.7

Item 46.1:

The Compliance Certification activity will be performed for:



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

Emission Unit: U-00001

Process: MSW

Item 46.2:

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;
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 47: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 200.7

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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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 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 7/30/2007.

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

Condition 48: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 48.2:

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

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- steam flow (k lbs per hour)
- 3) auxiliary fuel use (mscf 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 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 49: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: MSW

Regulated Contaminant(s):
CAS No: 068131-74-8 ASHES (RESIDUES)

Item 49.2:

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

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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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 50: MWC Unit Load Level
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 50.1:

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

Item 50.2:

The Permittee shall not cause the municipal waste combustor to operate at a load level greater than 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) achieved during the most recent performance test during which compliance with the dioxin/furan emission limit was achieved) except as follows:

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

(2) The municipal waste combustor unit load limit may be waived in accordance with permission granted 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.

Condition 51: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 51.1:

The Compliance Certification activity will be performed for:



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Emission Unit: U-00001 Emission Point: 00001
Process: MSW

Item 51.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The Permittee shall not cause the municipal waste combustor to operate at a temperature, measured at the particulate matter control device inlet, exceeding 17 degrees C above the maximum demonstrated particulate matter control device temperature during four consecutive hours (4-hour block arithmetic average) during the most recent dioxin/furan performance test demonstrating compliance with the applicable dioxin/furan limit, except as follows:

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

(2) The particulate matter control device temperature limits may be waived in accordance with permission granted 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.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 17 degrees Centigrade (or Celsius)

Reference Test Method: ACCEPTABLE TO NYSDEC

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 7/30/2007.

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

Condition 52: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012



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

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: DENOX

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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emissions from each furnace flue shall not exceed 140.25 lb/hr. Compliance shall be based on annual stack tests using 40CFR60, Appendix A, Method 7A or 7E and 19 or any equivalent method acceptable to the commissioner.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 140.25 pounds per hour

Reference Test Method: M-7A OR 7E & 19

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 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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)



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Monitoring Description:

Emissions from each furnace flue shall not exceed 29 ppmdv corrected to 7% O₂, 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 ppmdv 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 Appendix B and F. Excess emissions are to be reported.

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% O₂)

Reference Test Method: METHOD 6C

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 7/30/2007.

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

Condition 54: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

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Item 54.2:

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 ug/dscm corrected to 7% O₂, 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 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: METHOD 29

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 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 55.1:



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The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 55.2:

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: METHOD 29
Monitoring Frequency: ANNUALLY
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 06/05/2007 and 06/04/2012

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

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

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Item 56.2:

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.

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: METHOD 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 57: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 57.2:

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% O₂ or 11.2 lb/hr



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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 (PM10). Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 5 or any equivalent method acceptable to the commissioner.

Parameter Monitored: PM-10

Upper Permit Limit: 0.01 grains per dry standard cubic foot (corrected to 7% O₂)

Reference Test Method: METHOD 5

Monitoring Frequency: ANNUALLY

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 06/05/2007 and 06/04/2012

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

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 58.2:

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: PS 2 & METHOD 19

Monitoring Frequency: CONTINUOUS



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Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 59.2:

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 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,



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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 7/30/2007.

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

Condition 60: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: MSW Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 60.2:

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: METHOD 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



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METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 61: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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: METHOD 29
Monitoring Frequency: ANNUALLY
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 06/05/2007 and 06/04/2012

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

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001



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Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007440-41-7 BERYLLIUM

Item 62.2:

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: METHOD 29

Monitoring Frequency: ANNUALLY

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 06/05/2007 and 06/04/2012

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

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 63.2:

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



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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: METHOD 26A
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 06/05/2007 and 06/04/2012

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

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 64.2:

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 any equivalent method acceptable to the commissioner.

Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 104.4 pounds per hour
Reference Test Method: METHOD 6C & 19
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 65: Compliance Certification
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Applicable Federal Requirement: 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
 Particulate matter emission limit.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 27 milligrams per dry standard cubic
 meter (corrected to 7% oxygen)
Reference Test Method: EPA Ref. Method 5
Monitoring Frequency: ANNUALLY
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 66: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 66.2:

Compliance Certification shall include the following monitoring:

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

New York State Department of Environmental Conservation

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



Opacity emission limit.

Parameter Monitored: OPACITY
Upper Permit Limit: 10 percent
Reference Test Method: PS 1 & METHOD 9
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 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 67: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Cadmium emission limit.

Parameter Monitored: CADMIUM
Upper Permit Limit: 0.040 milligrams 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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 68: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 60.33b(a)(2)(iii), NSPS Subpart Cb

Item 68.1:



New York State Department of Environmental Conservation

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
 Lead emission limit.

Parameter Monitored: LEAD
Upper Permit Limit: 0.44 milligrams 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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 69: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 69.2:

Compliance Certification 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
 provided in this permit.



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

Parameter Monitored: MERCURY
Upper Permit Limit: 0.08 milligrams 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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 70: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 70.2:

Compliance Certification 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 provided in this
permit.

Parameter Monitored: MERCURY
Lower Permit Limit: 85 percent reduction by weight
(corrected to 7% O₂, dry basis)
Reference Test Method: EPA Ref. Method 29
Monitoring Frequency: ANNUALLY
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 71: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 71.1:

The Compliance Certification activity will be performed for:



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 75 percent reduction by weight or volume Sulfur Dioxide emission limit provided in this permit.

Parameter Monitored: SULFUR DIOXIDE

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 7/30/2007.

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

Condition 72: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emission limit. The Permittee shall meet



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the less stringent of this limit (percent reduction), or the concentration Sulfur Dioxide emission limit provided in this permit.

Parameter Monitored: SULFUR DIOXIDE

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 7/30/2007.

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

Condition 73: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 95 percent reduction by weight or volume Hydrogen Chloride emission limit provided in this permit.

Parameter Monitored: HYDROGEN CHLORIDE

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

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

Condition 74: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emission limit. The Permittee shall meet the less stringent of this limit (percent reduction), or the concentration Hydrogen Chloride emission limit provided in this permit.

Parameter Monitored: HYDROGEN CHLORIDE

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

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 75: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 60.33b(c)(1)(ii), NSPS Subpart Cb

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Total Dioxin/furan emission limit for municipal waste combustor that does not employ an electrostatic precipitator-based emission control system.

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

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

Reference Test Method: EPA Ref. Method 23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 76: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Nitrogen oxide emission limit for mass burn waterwall municipal waste combustor, not utilizing a NO_x emissions averaging plan.

Parameter Monitored: OXIDES OF NITROGEN

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)



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Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 77: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

Regulated Contaminant(s):
CAS No: 051207-31-9 2,3,7,8-TETRACHLORODIBENZOFURAN

Item 77.2:

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 @ 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-TETRACHLORODIBENZOFURAN

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

Reference Test Method: METHOD 23

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 78: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



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

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

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

Item 78.2:

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 any equivalent method acceptable to the commissioner.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 228.05 pounds per hour

Reference Test Method: METHOD 10

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 79: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

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

Item 79.2:

Compliance Certification shall include the following monitoring:

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

Manufacturer Name/Model Number: TECO MODEL 48C 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 7/30/2007.

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

Condition 80: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 80.1:

The Compliance Certification activity will be performed for:



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Facility DEC ID: 9291100113

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

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

Item 80.2:

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_{dv} @ 7% O₂ from each furnace flue. Compliance testing to be conducted at the request of the department using 40 CFR 60, Appendix A, Method 25A or any equivalent method acceptable to the commissioner.

Parameter Monitored: VOC

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

Reference Test Method: METHOD 25A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 81: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

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

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

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

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon monoxide emission limit for mass burn waterwall

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municipal waste combustor.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 100 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: METHOD 10

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 7/30/2007.

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

Condition 82: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Item 82.2:

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 SO₂ emission limits as specified in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 83: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Item 83.2:

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 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 84: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Item 84.2:

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



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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 7/30/2007.

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

Condition 85: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The simultaneous operation of emission point R1B01, emission point R1B02, emission point B-110, 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) 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

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request of the regulatory agency.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 86: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: ALT

Item 86.2:

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 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 7/30/2007.

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

Condition 87: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 87.1:

The Compliance Certification activity will be performed for:



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Facility DEC ID: 9291100113

Emission Unit: U-110EF

Process: ALT

Item 87.2:

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 45 days after the reporting period.

The initial report is due 2/14/2008.

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

Condition 88: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: ALT

Item 88.2:

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



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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 89: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF
Process: ALT

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CEMS are required on R1B02 for S02, NO_x, 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 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 90: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212.4

Item 90.1:

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 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of solid particulates are limited to less than
0.05 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 91: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF
Process: OAG

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Facility DEC ID: 9291100113



Item 91.2:

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 7/30/2007.

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

Condition 92: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: OAG

Item 92.2:

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.



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Facility DEC ID: 9291100113

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 93: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: OAG

Item 93.2:

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 7/30/2007.

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

Condition 94: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: OAG



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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 94.2:

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 8/29/2007.

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

Condition 95: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 60.42, NSPS Subpart D

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF

Process: OAG

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 95.2:

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



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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 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 96: Alternative RACT Emissions
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-2.5(c)

Item 96.1:

This Condition applies to Emission Unit: U-110EF Emission Point: 00003

Item 96.2:

Per NO_x RACT Plan dated March 14, 1994, this emission point which is Boiler B-110 is allowed an emission limit of 0.40 lbs of NO_x per million Btu based on the maximum annual heat input of 189,000 MM Btu.

Condition 97: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-1.7

Item 97.1:

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 97.2:

Compliance Certification shall include the following monitoring:



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Permit ID: 9-2911-00113/00039

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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 98: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-2.4

Item 98.1:

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 98.2:

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. 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.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 143.6 pounds per hour

Reference Test Method: METHOD 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 99: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 52.21(i)(3), Subpart A

Item 99.1:

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 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 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 100: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 52.21(i)(3), Subpart A

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF Emission Point: 00003
Process: OAG Emission Source: COMBU



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 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 101: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 101.1:

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 101.2:

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.



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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 7/30/2007.

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

Condition 102: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-1.7

Item 102.1:

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 102.2:

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 103: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 103.1:



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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 103.2:

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) SO₂ 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 7/30/2007.

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

Condition 104: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-1.7

Item 104.1:

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 104.2:

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

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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 105: Testing, monitoring, and reporting requirements for very large boilers.

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(1)

Item 105.1:

This Condition applies to Emission Unit: U-110EF Emission Point: R1B01

Process: OAG

Item 105.2:

The owner/operator shall measure NOx emissions with a continuous emissions monitoring system (CEMS) as described in 6NYCRR 227-2.6(b).

Condition 106: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-2.4

Item 106.1:

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 106.2:

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 NOx RACT requirements of 6 NYCRR Part 227-2.



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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
Parameter Monitored: OXIDES OF NITROGEN
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 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 107: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 52.21(i)(3), Subpart A

Item 107.1:

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 107.2:

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



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Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 108: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 52.21(i)(3), Subpart A

Item 108.1:

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: 000630-08-0 CARBON MONOXIDE

Item 108.2:

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 7/30/2007.

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

Condition 109: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF Emission Point: R1B01



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Process: OIL

Emission Source: COMBU

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 109.2:

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 DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 110: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-1.7

Item 110.1:

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 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 12.6 lb/hr (0.0286 lb/mmbtu) 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



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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 111: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 111.1:

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

Item 111.2:

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 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 112: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

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Facility DEC ID: 9291100113



Applicable Federal Requirement: 6NYCRR 201-6

Item 112.1:

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 112.2:

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) SO₂ while burning alternate fuel in R1B02. Compliance is based on initial stack test using 40 CFR 60, Appendix A, Method 6C or any method acceptable to the commissioner for each discrete alternate fuel stream and CEMS, thereafter. Excess emissions are to be reported.

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 7/30/2007.

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

Condition 113: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212

Item 113.1:

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

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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



Item 113.2:

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 114: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212.4(b)

Item 114.1:

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

Item 114.2:

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.



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

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 115: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212.4(b)

Item 115.1:

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 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Permit limit of 0.52 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: 0.52 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 116: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

New York State Department of Environmental Conservation

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



Applicable Federal Requirement: 6NYCRR 212.4(b)

Item 116.1:

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 116.2:

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 117: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212.4(b)

Item 117.1:

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 117.2:



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

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 and CEMS, thereafter, for each discrete alternate fuel stream. Excess emissions are to be reported.

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 7/30/2007.

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

Condition 118: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-2.4

Item 118.1:

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 118.2:

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 NO_x RACT



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requirements of 6 NYCRR Part 227-2. Compliance is based on initial stack test using 40 CFR 60, Appendix A, Method 7E or any method acceptable to the commissioner for each discrete alternate fuel stream and CEMS, thereafter. Excess emissions are to be reported.

Manufacturer Name/Model Number: TECO MODEL 42C or equivalent
Parameter Monitored: OXIDES OF NITROGEN
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 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 119: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212

Item 119.1:

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 119.2:

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



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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 120: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212

Item 120.1:

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 120.2:

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

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Condition 121: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212

Item 121.1:

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

Item 121.2:

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



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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 122: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212.4

Item 122.1:

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 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit 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



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Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 123: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212.4(b)

Item 123.1:

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 123.2:

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 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 124: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 212.4(b)

Item 124.1:

The Compliance Certification activity will be performed for:



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Emission Unit: U-110EF Emission Point: R1B02
Process: ALT Emission Source: PARTI

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

Item 124.2:

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 125: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 125.1:

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 125.2:

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) SO₂



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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 7/30/2007.

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

Condition 126: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-2.4

Item 126.1:

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 126.2:

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 NO_x RACT requirements of 6 NYCRR Part 227-2. 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. Excess emissions are to be reported.

Manufacturer Name/Model Number: TECO MODEL 42C or equivalent

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 88.0 pounds per hour

Reference Test Method: MEHTOD 7E & CEMS

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 127: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-1.7

Item 127.1:

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 127.2:

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 128: Compliance Certification
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 52.21(i)(3), Subpart A

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF Emission Point: R1B02



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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 128.2:

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 7/30/2007.

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

Condition 129: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 40CFR 52.21(i)(3), Subpart A

Item 129.1:

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 129.2:

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 R1B02. Compliance shall be based on initial stack test at



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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 130: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 130.1:

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 130.2:

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 7/30/2007.

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

Condition 131: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

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Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113



Applicable Federal Requirement: 6NYCRR 227-2.4

Item 131.1:

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 131.2:

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 NO_x RACT requirements of 6 NYCRR Part 227-2. 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. Excess emissions are to be reported.

Manufacturer Name/Model Number: TECO MODEL 42C or equivalent

Parameter Monitored: OXIDES OF NITROGEN

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 7/30/2007.

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

Condition 132: Compliance Certification

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable Federal Requirement: 6NYCRR 227-1.7

Item 132.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-110EF Emission Point: R1B02
Process: OIL Emission Source: PARTI

Regulated Contaminant(s):

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Facility DEC ID: 9291100113



CAS No: 0NY075-00-0 PARTICULATES

Item 132.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit of 12.6 lb/hr (0.0286 lb/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: 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 133: Contaminant List
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: ECL 19-0301

Item 133.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this



permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 001746-01-6
Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 051207-31-9
Name: 2,3,7,8-TETRACHLORODIBENZOFURAN

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 007440-36-0
Name: ANTIMONY

CAS No: 007440-38-2
Name: ARSENIC

CAS No: 068131-74-8
Name: ASHES (RESIDUES)

CAS No: 007440-41-7
Name: BERYLLIUM

CAS No: 007440-43-9
Name: CADMIUM

CAS No: 000630-08-0
Name: CARBON MONOXIDE

CAS No: 007440-47-3
Name: CHROMIUM

CAS No: 018540-29-9
Name: CHROMIUM(VI)

CAS No: 007440-48-4
Name: COBALT

CAS No: 007440-50-8
Name: COPPER

CAS No: 000050-00-0
Name: FORMALDEHYDE

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

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CAS No: 007664-39-3
Name: HYDROGEN FLUORIDE

CAS No: 007439-92-1
Name: LEAD

CAS No: 007439-96-5
Name: MANGANESE

CAS No: 007439-97-6
Name: MERCURY

CAS No: 007440-02-0
Name: NICKEL METAL AND INSOLUBLE COMPOUNDS

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

CAS No: 0NY075-00-0
Name: PARTICULATES

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

CAS No: 001336-36-3
Name: POLYCHLORINATED BIPHENYL

CAS No: 130498-29-2
Name: POLYCYCLIC AROMATIC HYDROCARBONS

CAS No: 007782-49-2
Name: SELENIUM

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 007664-93-9
Name: SULFURIC ACID

CAS No: 007440-62-2
Name: VANADIUM

CAS No: 0NY998-00-0
Name: VOC

CAS No: 007440-66-6
Name: ZINC

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Condition 134: Unavoidable noncompliance and violations
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 201-1.4

Item 134.1:

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



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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 135: Air pollution prohibited

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 211.2

Item 135.1:

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 136: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 219-7.2

Item 136.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 136.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is 28 ug/dscm (corrected to 7% oxygen). Annual compliance is based on the average of the annual stack tests on each municipal waste combustor (MWC) unit at the facility using the stack testing procedures contained in 40 CFR 60.58b(d)(2). This average of all the facility's MWC units must be in compliance with the emission limit of 28 ug/dscm or 85% reduction of mercury, whichever is less stringent. 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,

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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: As indicated above

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 137: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 219-7.2

Item 137.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 137.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is 28 ug/dscm (corrected to 7% oxygen). Annual compliance is based on the average of the annual stack tests on each municipal waste combustor (MWC) unit at the facility using the stack testing procedures contained in 40 CFR 60.58b(d)(2). This average of all the facility's MWC units must be in compliance with the emission limit of 28 ug/dscm or 85% reduction of mercury, whichever is less stringent. 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

Upper Permit Limit: 85 percent reduction by weight

Reference Test Method: As indicated above



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Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 138: Applicable Facility, with a unit of a capacity of 25 MWe
or greater
Effective between the dates of 06/05/2007 and 06/04/2012**

Applicable State Requirement: 6NYCRR 237-1.4(a)

Item 138.1:

Any unit, that at any time on or after January 1, 1999, serves a generator with a nameplate capacity equal to or greater than 25 MWe and sells any amount of electricity shall be a NOx budget unit, and any source that includes one or more such units shall be a NOx budget source, subject to the requirements of NYCRR 237.

Condition 139: Permit Requirements

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 237-1.6(a)

Item 139.1:

The NOx authorized account representative of each NOx budget unit shall: Submit to the department a complete NOx budget permit application under NYCRR 237-3.3 in accordance with the deadlines specified in NYCRR 237-3.2, which states the later of October 1, 2003 or 12 months before the date on which the NOx BU commences operation; and submit in a timely manner any supplemental information that the department determines is necessary in order to review a NOx budget permit application and issue or deny a NOx budget permit.

The owners and operators of each NOx budget unit shall have a NOx budget permit and operate the unit in compliance with such NOx budget permit.

Condition 140: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 237-1.6(c)

Item 140.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 140.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators of each NOx budget source and

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each NOx budget unit at the source shall hold NOx allowances available for compliance deductions under NYCRR 237-6.5, as of the NOx allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NOx emissions for the control period from the unit, as determined in accordance with NYCRR 237-8.

Each ton of NOx emitted in excess of the NOx budget emissions limitation shall constitute a separate violation of applicable State law.

A NOx budget unit shall be subject to the requirements under NYCRR 237-1.6(c)(1) starting when the unit commences operation.

NOx allowances shall be held in, deducted from, or transferred among NOx Allowance Tracking System accounts in accordance with NYCRR 237-5, 237-6, 237-7, and 237-9.

Except for future control period NOx allowances which may be deducted pursuant to NYCRR 237-6.5(f), a NOx allowance shall not be deducted, in order to comply with the requirements under NYCRR 237-1.6(c)(1), for a control period in a year prior to the year for which the NOx allowance was allocated.

A NOx allowance allocated by the department under the Acid Deposition Reduction (ADR) NOx Budget Trading Program is a limited authorization to emit one ton of NOx in accordance with the ADR NOx Budget Trading Program. No provision of the ADR NOx Budget Trading Program, the NOx budget permit application, or the NOx budget permit or any provision of law shall be construed to limit the authority of the State to terminate or limit such authorization.

A NOx allowance allocated by the department under the ADR NOx Budget Trading Program does not constitute a property right.

The owners and operators of a NOx budget unit that has excess emissions in any control period shall: Forfeit the NOx allowances required for deduction under NYCRR 237-6.5(d)(1); and pay any fine, penalty, or assessment or comply with any other remedy imposed under NYCRR 237-6.5(d)(3).



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Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

**Condition 141: Authorization and responsibilities of the NOx authorized account representative
Effective between the dates of 06/05/2007 and 06/04/2012**

Applicable State Requirement: 6NYCRR 237-2

Item 141.1:

Except as provided under NYCRR 237-2.2, each NOx budget source, including all NOx budget units at the source, shall have one and only one NOx authorized account representative, with regard to all matters under the Acid Deposition Reduction (ADR) NOx Budget Trading Program concerning the source or any NOx budget unit at the source.

The NOx authorized account representative of the NOx budget source shall be selected by an agreement binding on the owners and operators of the source and all NOx budget units at the source.

Upon receipt by the department or its agent of a complete account certificate of representation under NYCRR 237-2.4, the NOx authorized account representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the NOx budget source represented and each NOx budget unit at the source in all matters pertaining to the ADR NOx Budget Trading Program, notwithstanding any agreement between the NOx authorized account representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the NOx authorized account representative by the department or a court regarding the source or unit.

No NOx budget permit shall be issued, and no NOx Allowance Tracking System account shall be established for a NOx budget unit at a source, until the department or its agent has received a complete account certificate of representation under NYCRR 237-2.4 for a NOx authorized account representative of the source and the NOx budget units at the source.

Each submission under the ADR NOx Budget Trading Program shall be submitted, signed, and certified by the NOx authorized account representative for each NOx budget source on behalf of which the submission is made. Each such submission shall include the following certification statement by the NOx authorized account representative: "I am authorized to make this submission on behalf of the owners and operators of the NOx budget sources or NOx budget 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."

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The department or its agent will accept or act on a submission made on behalf of owners or operators of a NOx budget source or a NOx budget unit only if the submission has been made, signed, and certified in accordance with NYCRR 237-2.1(e)(1).

Condition 142: Compliance Demonstration
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 237-4.1

Item 142.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 142.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each control period in which one or more NOx budget units at a source are subject to the NOx budget emissions limitation, the NOx authorized account representative of the source shall submit to the department by the September 30 following the relevant control period, a compliance certification report for each source covering all such units.

The NOx authorized account representative shall include in the compliance certification report the following elements, in a format prescribed by the department, concerning each unit at the source and subject to the NOx budget emissions limitation for the control period covered by the report:

- (1) identification of each NOx budget unit;
- (2) except in instances when the NOx budget unit seeks to use future control period NOx allowances which may be deducted pursuant to NYCRR 237-6.5(f), at the NOx authorized account representative's option, the serial numbers of the NOx allowances that are to be deducted from each unit's compliance account under NYCRR 237-6.5 for the control period;
- (3) at the NOx authorized account representative's option, for units sharing a common stack and having NOx emissions

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that are not monitored separately or apportioned in accordance with NYCRR 237-8, the percentage of NO_x allowances that is to be deducted from each unit's compliance account under NYCRR 237-6.5(e);

(4) for units using future control period allowances for compliance purposes pursuant to NYCRR 237-6.5(f), the statement of intent and report required under NYCRR 237-6.5(f)(2); and

(5) the compliance certification under NYCRR 237-4(c).

In the compliance certification report the NO_x authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NO_x budget units at the source in compliance with the Acid Deposition Reduction (ADR) NO_x Budget Trading Program, whether each NO_x budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the requirements of the ADR NO_x Budget Trading Program applicable to the unit, including:

(a) whether the unit was operated in compliance with the NO_x budget emissions limitation;

(b) whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute NO_x emissions to the unit, in accordance with NYCRR 237-8;

(c) whether all the NO_x emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with NYCRR 237-8. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

(d) whether the facts that form the basis for certification under NYCRR 237-8 of each monitor at the unit or a group of units (including the unit) using a

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common stack, or for using an excepted monitoring method or alternative monitoring method approved under NYCRR 237-8, if any, has changed; and

(e) if a change is required to be reported in (4) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

Reporting Requirements: SEPTEMBER 30

Condition 143: Submission of NOx allowance transfers
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 237-7.1

Item 143.1:

The NOx authorized account representatives seeking recordation of a NOx allowance transfer shall submit the transfer to the department or its agent. To be considered correctly submitted, the NOx allowance transfer shall include the following elements in a format specified by the department or its agent:

- (a) the numbers identifying both the transferor and transferee accounts;
- (b) a specification by serial number of each NOx allowance to be transferred; and
- (c) the printed name and signature of the NOx authorized account representative of the transferor account and the date signed.

Condition 144: Compliance Demonstration
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 237-8

Item 144.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 144.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators, and to the extent applicable, the NOx authorized account representative of a NOx budget



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unit, shall comply with the monitoring and reporting requirements as provided in this NYCRR 237-8 and in Subpart H of 40 CFR part 75. For purposes of complying with such requirements, the definitions in NYCRR 237-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," and "designated representative" in 40 CFR part 75 shall be replaced by the terms "NOx budget unit," and "NOx authorized account representative," respectively, as defined in section 237-1.2.

For any NOx budget unit which is also a NOx budget unit under Part 204 of this title, prior or contemporaneous timely submissions in compliance with the requirements of Subpart 204-8 may, when appropriate, be summarily referenced by the owners and operators of the NOx budget unit in order to demonstrate compliance with the requirements of this Subpart:

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 7/30/2007.

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

Condition 145: Environmental Monitor

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)

Item 145.1:

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.



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- 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 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.

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

Condition 146: Compliance Demonstration
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 146.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001
Process: MSW

Item 146.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- 1. The facility shall not have an annual capacity factor, as defined in 40 CFR Part 60, Subpart Db, of 10% or more for coal, oil, natural gas or a mixtures of these fuels. Record keeping of fuel usage shall be maintained and submitted to the Region 9 air pollution control

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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 7/30/2007.

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

Condition 147: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 147.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 147.2:

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:

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.



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Note: Municipal solid waste which includes non-hazardous residential, commercial, governmental and/or industrial waste streams are acceptable as approved on a case by case basis by the NYSDEC.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 148: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 148.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 148.2:

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 7/30/2007.

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

Condition 149: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 149.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

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Process: MSW

Item 149.2:

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 annually (no more than 12 calendar months following the previous compliance test) unless an alternate sampling

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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.

E. Should the Permittee desire, it may request correction of the emissions' limitations contained herein based on an equivalent CO₂ dilution rather than the O₂ 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: ANNUALLY

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 150: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 150.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: DENOX

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



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Item 150.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

1. Nitrogen oxides (NO_x) 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 NO_x emissions from each furnace. Emissions of NO_x 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 NO_x concentrations in the stack.

Compliance shall be based on CEMS in accordance with 40 CFR 60 Appendix 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: METHOD 7E

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 7/30/2007.

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

Condition 151: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 151.1:



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The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: DENOX

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 151.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions from each furnace flue shall not exceed 50 ppmdv @ 7% O₂ or 17.4 lb/hr whichever is more stringent. Compliance shall be based on stack tests using USEPA draft 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% O₂)

Reference Test Method: METHOD 26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 152: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 152.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

Regulated Contaminant(s):
CAS No: 018540-29-9 CHROMIUM(VI)

Item 152.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



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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

Condition 153: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 153.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: MSW Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007440-50-8 COPPER

Item 153.2:

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



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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
Upper Permit Limit: 8.58E-03 pounds per hour
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 154: Compliance Demonstration
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 154.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

Regulated Contaminant(s):
CAS No: 007440-48-4 COBALT

Item 154.2:

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: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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Condition 155: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 155.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 155.2:

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: METHOD 26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 156: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 156.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

Regulated Contaminant(s):
CAS No: 007439-96-5 MANGANESE



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Item 156.2:

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: METHOD 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 157: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 157.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: MSW Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007782-49-2 SELENIUM

Item 157.2:

Compliance Demonstration shall include the following monitoring:

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.

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Parameter Monitored: SELENIUM
Upper Permit Limit: 6.95E-04 pounds per hour
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 158: Compliance Demonstration
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 158.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

Regulated Contaminant(s):
CAS No: 007440-36-0 ANTIMONY

Item 158.2:

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: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 159: Compliance Demonstration
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Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 159.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

Regulated Contaminant(s):
CAS No: 007440-66-6 ZINC

Item 159.2:

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
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 160: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 160.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

Regulated Contaminant(s):
CAS No: 007440-62-2 VANADIUM

Item 160.2:



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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: METHOD 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 161: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 161.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: MSW Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE COMPOUNDS

Item 161.2:

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.



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Parameter Monitored: NICKEL METAL AND INSOLUBLE COMPOUNDS
Upper Permit Limit: 8.58E-03 pounds per hour
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 162: Compliance Demonstration
Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 162.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

Regulated Contaminant(s):
CAS No: 130498-29-2 POLYCYCLIC AROMATIC HYDROCARBONS

Item 162.2:

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: 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 163: Compliance Demonstration
Effective between the dates of 06/05/2007 and 06/04/2012



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Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 163.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

Regulated Contaminant(s):
CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

Item 163.2:

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: 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 164: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 164.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

Regulated Contaminant(s):
CAS No: 000050-00-0 FORMALDEHYDE

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Item 164.2:

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 165: Compliance Demonstration

Effective between the dates of 06/05/2007 and 06/04/2012

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Item 165.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: MSW Emission Source: SPRAY

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 165.2:

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.

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Parameter Monitored: HYDROGEN CHLORIDE
Upper Permit Limit: 25.0 parts per million by volume
(dry, corrected to 7% O₂)
Reference Test Method: METHOD 26A
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE