



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-5632-00010/00016
Effective Date: 07/02/2012 Expiration Date: 07/01/2017

Permit Issued To: INDECK ENERGY SERVICES OF SILVER SPRINGS
600 N BUFFALO GROVE RD STE 300
BUFFALO GROVE, IL 60089-2432

Contact: JAMES SCHNEIDER
INDECK ENERGY SERVICES
600 NORTH BUFFALO GROVE RD #300
BUFFALO GROVE, IL 60089-2432
(847) 520-3212

Facility: INDECK-SILVER SPRINGS ENERGY CENTER
1 INDECK DR
SILVER SPRINGS, NY 14550

Contact: TODD DOBMEIER
INDECK-SILVER SPRINGS ENERGY CENTER
1 INDECK DR
SILVER SPRINGS, NY 14550
(585) 493-2700

Description:
Indeck Silver Springs Title V Air Permit (Renewal 2, Modification 0)

The Indeck-Silver Springs Energy Center (Indeck) is a combined cycle electrical generation plant. Indeck is located at the outskirts of the rural Village of Silver Springs in Wyoming County. Indeck commenced operation in 1991 with a rated generating capacity of 57.9 megawatts of electricity (MWe). The plant is an Electric Wholesaler Generator who sells electric power to the New York Independent System Operator, who administers the states' wholesale electricity markets.

This facility consists of three Emission Units (EU). Emission Unit S-00001 includes the General Electric Frame 6 gas turbine (GT) that produces 40.6 MWe at 48 F inlet air temperature. Rated heat input for the GT is approximately 467 million Btu per hour (mmBtu/hr) at full load, while firing natural gas. The GT is fired primarily with natural gas, but uses number 2 fuel oil as a backup fuel. Exhaust gases from the GT are reheated by a Coen duct burner (DB), then pass through the heat recovery steam generator (HRSG) before exiting out of the stack, emission point (EP) 00001. The HRSG generates steam by absorbing heat from the exhaust gases of the GT and DB. The HRSG provides steam for NOx control to the GT and steam to the condensing steam turbine generator. The duct burner is rated at 84.4 mmBtu/hr, and the heat recovery steam turbine is rated at 17.25 MW. An extractive Continuous Emission Monitoring System (CEMS) manufactured by TSI is used to measure and record dry diluted concentrations of oxides of nitrogen (NOx), carbon monoxide (CO), and oxygen (O2) at the stack. Three process are part of EU 1, process 200 is the turbine combusting number 2 fuel oil with or without the duct burner



firing natural gas, process 400 is the turbine firing natural gas with or without the duct burner firing natural gas, and process 800 is the gas turbine firing natural gas and fuel oil simultaneously with or without the duct burner firing natural gas.

Emission Unit S-00002 is an auxiliary boiler that was designed to supply process steam to Morton Salt when the turbine was not operating. The 170 mmBtu/hr Zurn boiler is currently in cold storage because Morton Salt no longer uses steam from Indeck. An extractive CEMS shall be used to measure and record dry undiluted concentrations of NO_x, CO, O₂ and opacity at this stack, EP 00002. This EU consists of two processes; process 500 is the Zurn boiler firing the primary fuel, natural gas, and process 600 is the boiler firing the backup fuel, number 2 fuel oil. If and when the auxiliary boiler is reactivated the CEMS will need to be installed and certified.

Emission Unit S-00003 is an ammonia stripping tower. The facility uses groundwater from this agricultural community to charge its systems. When Indeck was providing steam to Morton Salt the condensate contained ammonia when it was returned. The ammonia had to be stripped out before the water could be discharged into Morton's salt caverns, this is process 700. Ammonia emissions are limited to 9.9 lb/hr at EP 00003. Exempt sources at this facility include unit space heaters, one fuel oil tank, an acid tank, a caustic tank, solvent storage room, and natural gas odorizing process. There are no internal combustion engines at this facility.

Compared to the previous permit, Renewal 1, the following regulations were removed: 6NYCRR Part 204 NO_x Budget Trading Program because it was repealed, and 6NYCRR Part 237 Acid Deposition Reduction NO_x Budget Trading Program and 6NYCRR Part 238 Acid Deposition Reduction SO₂ Budget Trading Program because they are no longer effective. The following regulations and permit conditions were added: 6NYCRR Part 227-2 NO_x Reasonably Available Control Technology (RACT) limits effective on July 1, 2014, 6NYCRR Part 242 CO₂ Budget Trading Program, 6NYCRR Part 243 CAIR NO_x Ozone Season Trading Program, 6NYCRR Part 244 CAIR NO_x Annual Trading Program, and 6NYCRR Part 245 CAIR SO₂ Trading Program.

The permittee submitted a NO_x Reasonably Available Control Technology (RACT) Compliance Plan dated December 27, 2011 that explained how the facility will meet the NO_x RACT emission limits that are effective on July 1, 2014. They determined that the existing technology and NO_x limits of 54 parts per million (ppm) per hour when firing oil and 32 ppm per hour when firing natural gas will be RACT for the gas turbine. The duct burner is not subject to RACT because the emissions are mixed with the those from the gas turbine. Since the auxiliary boiler is in cold storage and not expected to operate any time soon a RACT evaluation was not performed at this time. However, before the auxiliary boiler is started a full NO_x RACT analysis must be performed and submitted for approval.

This Title V permit includes conditions that originated in the Prevention of Significant Deterioration (PSD) permit issued when the facility was constructed in 1990-91. The conditions in the PSD permit resulted from reviews of 40 CFR 52-A.21(j), Prevention of Significant Deterioration of Air Quality, Best Available Control Technology (BACT); 40 CFR 60-A, General Provisions of New Source Performance Standards (NSPS); 40 CFR 60-Db, NSPS for Industrial-Commercial- Institutional Steam Generating Units (100 to 250 mmBtu/hr); 40 CFR 60-Dc, NSPS for Industrial-Commercial- Institutional Steam Generating Units (10 to 100 mmBtu/hr); and 40 CFR 60-GG, NSPS for Stationary Gas Turbines. When different rules have emission limits for the same contaminate or surrogates, the most stringent one was included in the permit. The most stringent emission limits were commonly found in the PSD permit and stated in two different units. The units are either part per million (ppm) or lb/mmBtu and the other was lb/hour. Both limits have been incorporated in this permit.



This facility accepted a limit for sulfur in fuel of 0.27% sulfur by weight, as part of its PSD permit when it was constructed. The PSD limit is more stringent than the following sulfur in fuel limits that the facility is also subject to: NSPS for Stationary Gas Turbines limit of 0.8% in 40 CFR 60.333(b) subpart GG and the NSPS for Industrial-Commercial-Institutional Steam Generating Units limit of 0.5% in 40 CFR 60.42b(j) subpart Db which applies to the auxiliary boiler. The New York State rules limit the fuel sulfur content in oil of no more than 2.00% from 6NYCRR 225-1.2(c) which is in the State Implementation Plan (SIP) and 1.50% from 6 NYCRR 225-1.2(d) which is not in the SIP. Additionally, the permittee demonstrated that they fire pipeline quality natural gas as defined in 40 CFR Part 75 (sulfur content is less than 0.068% by weight), so they elected to stop monitoring the sulfur content of the natural gas as the NSPS for Gas Turbines 60.334(h)(3) allows. The PSD permit condition consists of the most restrictive requirements from the above applicable rules. If the facility complies with the PSD condition then it will satisfy the emission requirements of the above regulations.

The PSD permit NO_x limit is 54 parts per million (ppm) per hour when firing oil in the gas turbine. This is more stringent than the NO_x limit in the NSPS for Combustion Gas Turbines, 40 CFR 60 subpart GG 60.332(a)(1), of 98 ppmv (dry, corrected to 15% O₂) for a four hour rolling average, and the NO_x Reasonably Available Control Technology (RACT) limit from 6NYCRR Part 227-2.4(e)(2) of 65 ppmv (dry, corrected to 15% O₂) for a 24-hour day average. If the facility complies with the emission requirements of the PSD conditions, then it will be considered in compliance with all of the above regulations. For 40 CFR 60 subpart GG, the facility choose not to take credit for the nitrogen content of the fuel when calculating the NO_x emission limit, so they are not required to monitor the nitrogen content of the fuels combusted.

The PSD permit NO_x limit is 32 ppm per hour when firing natural gas in the gas turbine. This is more stringent than the NO_x limit in the NSPS for Combustion Gas Turbines, 40 CFR 60 subpart GG 60.332(a)(1), of 98 ppmv (dry, corrected to 15% O₂) for a four hour rolling average, and the NO_x RACT limit from 6NYCRR Part 227-2.4(e)(2) of 42 ppmv (dry, corrected to 15% O₂) for a 24-hour day average. If the facility complies with the emission requirements of this condition, then it will be considered in compliance with all of the above regulations.

The PSD permit NO_x limit is 0.20 lb/mmBtu Btu per hour when the auxiliary boiler fires natural gas or fuel oil. This is more stringent than the NSPS for Industrial-Commercial-Institutional Steam Generating Units, 40CFR 60 subpart Db, which limits the nitrogen oxide emissions to 0.20 lb per mmBtu heat input or less determined on a 30-day rolling average. The state's Reasonably Available Control Technology (RACT) for Oxides of Nitrogen regulation limits the emission to less than 0.30 lb NO_x per mmBtu per hour. If the facility complies with the PSD emission limit then it will be considered in compliance with all of the above regulations.

The facility accepted the following operational limits in the PSD permit and they were carried over to this air permit; only natural gas and No. 2 fuel oil may be combusted in the gas turbine and auxiliary boiler, only natural gas can be fired in the duct burner, oil may not be combusted in the gas turbine and auxiliary boiler for more than 2190 hours per year, and the facility may not combust more than 7,905,900 gallons of fuel oil per year based on daily rolling totals.

The permittee is exempt from the requirements of Continuous Assurance Monitoring (CAM), 40CFR Part 64 because this permit requires the use of a continuous emission monitoring system to determine compliance with NO_x emission limits on a continuous basis.

New York State Department of Environmental Conservation
Facility DEC ID: 9563200010



The Basis of Monitoring statement which provides a justification or description of monitoring requirements is part of the Permit Review Report (PRR). The PRR is a separate document that is not attached to this permit.

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: DOUGLAS E BORSCHER
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2915

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
- Applications for permit renewals, modifications and transfers
- Permit modifications, suspensions or revocations by the Department

Facility Level

- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS



DEC GENERAL CONDITIONS
****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

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

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: INDECK ENERGY SERVICES OF SILVER SPRINGS
600 N BUFFALO GROVE RD STE 300
BUFFALO GROVE, IL 60089-2432

Facility: INDECK-SILVER SPRINGS ENERGY CENTER
1 INDECK DR
SILVER SPRINGS, NY 14550

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES

Permit Effective Date: 07/02/2012

Permit Expiration Date: 07/01/2017



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 202-2.1: Compliance Certification
- 7 6 NYCRR 202-2.5: Recordkeeping requirements
- 8 6 NYCRR 215.2: Open Fires - Prohibitions
- 9 6 NYCRR 200.7: Maintenance of Equipment
- 10 6 NYCRR 201-1.7: Recycling and Salvage
- 11 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 12 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 13 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 14 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 15 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 16 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 17 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.5 (e): Compliance Certification
- 23 6 NYCRR 211.1: Air pollution prohibited
- 24 6 NYCRR 243-1.6 (c): NOx Ozone Season Emission Requirements
- 25 6 NYCRR 243-1.6 (d): Excess emission requirements
- 26 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
- 27 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
- 28 6 NYCRR 243-8.1: General requirements
- 29 6 NYCRR 243-8.3: Out of control periods
- 30 6 NYCRR 243-8.5 (d): Quarterly reports
- 31 6 NYCRR 243-8.5 (e): Compliance certification
- 32 6 NYCRR Subpart 244-1: Compliance Certification
- 33 6 NYCRR Subpart 244-2: Designated CAIR Representative
- 34 6 NYCRR Subpart 244-8: Compliance Certification
- 35 6 NYCRR Subpart 245-1: CAIR SO2 Trading Program General Provisions
- 36 6 NYCRR Subpart 245-2: Designated CAIR Representative
- 37 6 NYCRR Subpart 245-8: Compliance Certification
- 38 40CFR 52.21(j), Subpart A: Compliance Certification
- 39 40CFR 52.21(j), Subpart A: Compliance Certification
- 40 40CFR 52.21(j), Subpart A: Compliance Certification
- 41 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting



Emission Unit Level

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

EU=S-00001

- 44 6 NYCRR 227-1.3 (a): Compliance Certification
- 45 40CFR 52.21(j), Subpart A: Compliance Certification
- 46 40CFR 52.21(j), Subpart A: Compliance Certification
- 47 40CFR 52.21(j), Subpart A: Compliance Certification
- 48 40CFR 52.21(j), Subpart A: Compliance Certification
- 49 40CFR 52.21(j), Subpart A: Compliance Certification
- 50 40CFR 52.21(j), Subpart A: Compliance Certification
- 51 40CFR 52.21(j), Subpart A: Compliance Certification
- 52 40CFR 52.21(j), Subpart A: Compliance Certification
- 53 40CFR 52.21(j), Subpart A: Compliance Certification
- 54 40CFR 52.21(j), Subpart A: Compliance Certification
- 55 40CFR 52.21(j), Subpart A: Compliance Certification
- 56 40CFR 52.21(j), Subpart A: Compliance Certification
- 57 40CFR 52.21(j), Subpart A: Compliance Certification
- 58 40CFR 52.21(j), Subpart A: Compliance Certification
- 59 40CFR 52.21(j), Subpart A: Compliance Certification
- 60 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 61 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 62 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification

EU=S-00001,EP=00001,Proc=200

- 63 40CFR 52.21(j), Subpart A: Compliance Certification
- 64 40CFR 52.21(j), Subpart A: Compliance Certification
- 65 40CFR 52.21(j), Subpart A: Compliance Certification
- 66 40CFR 52.21(j), Subpart A: Compliance Certification

EU=S-00001,EP=00001,Proc=200,ES=S00GT

- 67 40CFR 52.21(j), Subpart A: Compliance Certification
- 68 40CFR 52.21(j), Subpart A: Compliance Certification
- 69 40CFR 52.21(j), Subpart A: Compliance Certification
- 70 40CFR 52.21(j), Subpart A: Compliance Certification

EU=S-00001,EP=00001,Proc=400

- 71 40CFR 52.21(j), Subpart A: Compliance Certification
- 72 40CFR 52.21(j), Subpart A: Compliance Certification
- 73 40CFR 52.21(j), Subpart A: Compliance Certification
- 74 40CFR 52.21(j), Subpart A: Compliance Certification

EU=S-00001,EP=00001,Proc=400,ES=S00GT

- 75 40CFR 52.21(j), Subpart A: Compliance Certification
- 76 40CFR 52.21(j), Subpart A: Compliance Certification
- 77 40CFR 52.21(j), Subpart A: Compliance Certification
- 78 40CFR 52.21(j), Subpart A: Compliance Certification

EU=S-00001,EP=00001,Proc=800

- 79 40CFR 52.21(j), Subpart A: Compliance Certification



- 80 40CFR 52.21(j), Subpart A: Compliance Certification
- 81 40CFR 52.21(j), Subpart A: Compliance Certification
- 82 40CFR 52.21(j), Subpart A: Compliance Certification

EU=S-00002

- 83 40CFR 52.21(j), Subpart A: Compliance Certification
- 84 40CFR 52.21(j), Subpart A: Compliance Certification
- 85 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 86 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 87 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
- 88 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
- 89 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification

EU=S-00002,EP=00002,Proc=500

- 90 40CFR 52.21(j), Subpart A: Compliance Certification
- 91 40CFR 52.21(j), Subpart A: Compliance Certification
- 92 40CFR 52.21(j), Subpart A: Compliance Certification
- 93 40CFR 52.21(j), Subpart A: Compliance Certification
- 94 40CFR 52.21(j), Subpart A: Compliance Certification
- 95 40CFR 52.21(j), Subpart A: Compliance Certification
- 96 40CFR 52.21(j), Subpart A: Compliance Certification

EU=S-00002,EP=00002,Proc=600

- 97 40CFR 52.21(j), Subpart A: Compliance Certification
- 98 40CFR 52.21(j), Subpart A: Compliance Certification
- 99 40CFR 52.21(j), Subpart A: Compliance Certification
- 100 40CFR 52.21(j), Subpart A: Compliance Certification
- 101 40CFR 52.21(j), Subpart A: Compliance Certification
- 102 40CFR 52.21(j), Subpart A: Compliance Certification
- 103 40CFR 52.21(j), Subpart A: Compliance Certification

EU=S-00003

- 104 6 NYCRR 212.9: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 105 ECL 19-0301: Contaminant List
- 106 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 107 6 NYCRR 242-1.5: Compliance Demonstration
- 108 6 NYCRR Subpart 242-4: Compliance Demonstration
- 109 6 NYCRR 242-8.5: Compliance Demonstration

Emission Unit Level

EU=S-00001,EP=00001,Proc=200

- 110 6 NYCRR 227-2.4 (e) (3): Compliance Demonstration

EU=S-00001,EP=00001,Proc=400

- 111 6 NYCRR 227-2.4 (e) (3): Compliance Demonstration

EU=S-00002,EP=00002



112.6 NYCRR 227-2.4 (b): Compliance Demonstration



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency 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 - 6 NYCRR 201-1.10 (b)

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



Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (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 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 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 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 - 6 NYCRR 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 order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR 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 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 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 Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR 201-6.5 (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 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 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

Condition 2: Fees
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 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 72-0303.

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 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 07/02/2012 and 07/01/2017

Applicable Federal Requirement: 6 NYCRR 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 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 07/02/2012 and 07/01/2017

Applicable Federal Requirement: 6 NYCRR 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.
- (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.

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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.



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

Condition 6: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 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 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 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 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 - Prohibitions
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 215.2

Item 8.1:

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

Item 8.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

(a) On-site burning in any town with a total population less than 20,000 of downed limbs and



Applicable Federal Requirement:6 NYCRR 200.7

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 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 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 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 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 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 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 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 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 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 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 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 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 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 07/02/2012 and 07/01/2017

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

Item 16.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at

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greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

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

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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

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

Condition 21: Emission Unit Definition
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: S-00001

Emission Unit Description:

This emission unit consists of a combustion gas turbine generator and heat recovery steam generator with duct burners venting into one exhaust stack. The turbine is equipped with an evaporative cooler for the combustion air.

Building(s): 1

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Item 21.2:

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

Emission Unit: S-00002

Emission Unit Description:

This unit consists of an auxiliary boiler venting into one exhaust stack.

Building(s): 1

Item 21.3:

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

Emission Unit: S-00003

Emission Unit Description:

This emission unit consists of one stripper column designed to remove ammonia from wastewater prior to discharge.

Building(s): 1

Condition 22: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 22.1:

The Compliance Certification activity will be performed for the Facility.

Item 22.2:

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

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- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

iv. All 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 14203-2915

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.



Subsequent reports are due on the same day each year

Condition 23: Air pollution prohibited
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 211.1

Item 23.1:

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 24: NOx Ozone Season Emission Requirements
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 24.1:

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

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

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

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

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

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



Condition 27: Authorization and responsibilities of CAIR designated representative
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 243-2.1

Item 27.1:

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

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

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

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

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

Condition 28: General requirements
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 243-8.1



Item 28.1:

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

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

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

Condition 29: Out of control periods
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR 243-8.3

Item 29.1:

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

Condition 30: Quarterly reports
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 30.1:

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

If the CAIR NOx Ozone Season unit is subject to an Acid Rain emissions limitation or a CAIR NOx emissions limitation or if the owner or operator of such unit chooses to report on an annual basis under this Subpart, the CAIR designated representative shall meet the requirements of Subpart H of 40 CFR Part 75 (concerning monitoring of NOx mass emissions) for such unit for



the entire year and shall report the NO_x mass emissions data and heat input data for such unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with:

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

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

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

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

Condition 31: Compliance certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 31.1:

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

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

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

(3) for a unit that is reporting on a control period basis under subparagraph (d)(2)(ii) of this section, the NO_x emission rate and NO_x concentration values substituted for missing data under Subpart D of 40 CFR Part 75 are calculated using only values from a control period and do not systematically underestimate NO_x emissions.

Condition 32: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017



Applicable Federal Requirement:6 NYCRR Subpart 244-1

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- 1) As of midnight of March 1, or midnight of the first business day thereafter if March 1 is not a business day, the owners and operators shall hold, in their compliance account, Clean Air Interstate Rule (CAIR) NO_x allowances available for compliance deductions for the previous control period (January 1 through December 31), in an amount not less than the total tons of nitrogen oxides emissions from all CAIR NO_x units at the source during that control period. A CAIR NO_x allowance shall not be deducted for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated. [244-1.6(c)(1), 244-1.2(b)(5), 244-1.2(b)(36), 244-1.6(c)(3)]
- 2) The owners and operators shall hold in their compliance account, CAIR NO_x allowances available for compliance deductions for the control period starting on the later of January 1, 2009 or the deadline for meeting a CAIR NO_x unit's monitor certification requirements under section 244-8.1(b)(1), (2), or (5) and for each control period thereafter. [244-1.6(c)(2)]
- 3) If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, the owners and operators of the CAIR NO_x source shall surrender the CAIR NO_x allowances required for deduction under 6NYCRR Part 244-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this permit, the Act, and applicable State law. [(244-1.6(d)]
- 4) Unless otherwise provided, the owners and operators of the CAIR NO_x source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator: [244-1.6(e)]



(i) The certificate of representation under 6NYCRR Part 244-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five year period until such documents are superseded because of the submission of a new certificate of representation under 6NYCRR Part 244-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 244-8, provided that to the extent that 6NYCRR Part 244-8 provides for a three year period for recordkeeping, the three year period shall apply.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: MARCH 1

Condition 33: Designated CAIR Representative
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 244-2

Item 33.1:

1) Each Clean Air Interstate Rule (CAIR) NOx source shall have one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 244-2.2, with regard to all matters under the CAIR NOx Annual Trading Program. The CAIR designated representative shall be selected by an agreement binding on the owners and operators of the source and act in accordance with the certification statement in 6NYCRR Part 244-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 244-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx source represented in all matters pertaining to the CAIR NOx Annual Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source. [244-2.1(a), (b) & (c)]

(2) Each submission under the CAIR NOx Annual Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NOx source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on



behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment." [244-2.1(e)]

Condition 34: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 244-8

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting NOX emissions

(1) The owners and operators, and to the extent applicable, the CAIR designated representative shall comply with all recordkeeping and reporting requirements in this condition, the applicable recordkeeping and reporting requirements under 40 CFR 75, and the requirements of 6NYCRR Part 244-2.1(e)(1).

(2) The CAIR designated representative shall submit quarterly reports of the the NO_x mass emissions data and heat input data for each CAIR NO_x unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under 6NYCRR Part 244-8.1(b), unless that quarter is the third or fourth quarter of 2007, in which case reporting shall commence in the quarter covering January 1, 2008 through March 31, 2008.

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



(4) For CAIR NO_x units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x Ozone Season Trading Program, CAIR SO₂ Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NO_x mass emission data, heat input data, and other information required by this Subpart.

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

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of 6NYCRR Part 244 and 40 CFR Part 75, including the quality assurance procedures and specifications; and

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

(6) Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR part 75, data shall be substituted using the applicable missing data procedures in Subpart D or Subpart H of, or appendix D or appendix E to 40 CFR part 75. [244-8.3(a)]

(7) Whenever the owner or operator makes a replacement, modification, or change in any certified continuous emission monitoring system under 6NYCRR Part 244-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record NO_x mass emissions or heat input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 40 CFR 75.20(b) . Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas



handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify each continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the sampling probe or site. Any fuel flowmeter system, and any excepted NOx monitoring system under appendix E to 40 CFR part 75, under 6NYCRR Part 244-8.1(a)(1) are subject to the recertification requirements in 40 CFR 75.20(g)(6). [224-8.2(d)(2)]

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 35: CAIR SO2 Trading Program General Provisions
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 245-1

Item 35.1:

1) As of midnight of March 1, or midnight of the first business day thereafter (if March 1 is not a business day) for a control period, the owners and operators of each Clean Air Interstate Rule (CAIR) SO2 source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO2 allowances available for compliance deductions for the control period (January 1 through December 31) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO2 units at the source. A CAIR SO2 allowance shall not be deducted, for compliance with the requirements under paragraph (2) of this section, for a control period in a calendar year before the year for which the CAIR SO2 allowance was allocated. [(245-1.2(b)(5), 245-1.6(c)(1), 245-1.2(b)(36), 245-1.6(c)(3)]

2) The owners and operators shall hold in their compliance account, CAIR SO2 allowances available for compliance deductions for the control period starting on the later of January 1, 2010 or the deadline for meeting a CAIR SO2 unit's monitor certification requirements under section 245-8.1(b)(1), (2), or (5) and for each control period thereafter. [245-1.6(c)(2)]

3) If a CAIR SO2 source emits sulfur dioxide during any control period in excess of the CAIR SO2 emissions limitation, the owners and operators of the source shall surrender the CAIR SO2 allowances required for deduction under 6NYCRR Part 245-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law. [(245-1.6(d)]



4) Unless otherwise provided, the owners and operators of the CAIR SO₂ source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator: [245-1.6(e)]

(i) The certificate of representation under 6NYCRR Part 245-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under 6NYCRR Part 245-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 245-8, provided that to the extent that 6NYCRR Part 245-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program.

Condition 36: Designated CAIR Representative
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 245-2

Item 36.1:

1) Each CAIR SO₂ source shall have one and only one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 245-2.2, with regard to all matters under the CAIR SO₂ Trading Program. The CAIR designated representative of the CAIR SO₂ source shall be selected by an agreement binding on the owners and operators of the source and all CAIR SO₂ units at the source and shall act in accordance with the certification statement in 6NYCRR Part 245-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 245-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR SO₂ source represented and each CAIR SO₂ unit at the source in all matters pertaining to the CAIR SO₂ Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit. [245-2.1(a), (b) & (c)]

(2) Each submission under the CAIR SO₂ Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR SO₂ source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."



[245-2.1(e)]

Condition 37: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 245-8

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting SO2 emissions:

1) The owners and operators, and to the extent applicable, the Clean Air Interstate Rule (CAIR) designated representative, of a CAIR SO2 unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in Subpart 6 NYCRR Part 245-8 and in 40 CFR Part 75, Subparts F and G. For purposes of complying with such requirements, the definitions in section 245-1.2 and 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR SO2 unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 245-1.2. The owner or operator of a unit that is not a CAIR SO2 unit but that is monitored under 40 CFR 75.16(b)(2) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR SO2 unit. [245-8.1]

2)The owner or operator of each CAIR SO2 unit shall:
[245-8.1(a)]

(i) install all monitoring systems required under this Subpart for monitoring SO2 mass emissions and individual unit heat input (including all systems required to monitor SO2 concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.11 and 40 CFR 75.16);

(ii) successfully complete all certification tests required under Part 245-8.2 and meet all other requirements of this section and 40 CFR Part 75 applicable to the monitoring systems under this section; and



(iii) record, report, and quality-assure the data from the monitoring systems under paragraph of this section.

3) The owner or operator shall meet the monitoring system certification and other requirements of section 245-8.1(a)(1) and (2) on or before the following dates. The owner or operator shall record, report, and quality-assure the data from the monitoring systems under section 245-8.1(a)(1) on and after the following dates. [245-8.1(b)]

(i) For the CAIR SO₂ unit that commences commercial operation before July 1, 2008, by January 1, 2009.

(ii) For the CAIR SO₂ unit that commences commercial operation on or after July 1, 2008, by the later of the following dates: January 1, 2009; or 90 unit operating days or 180 calendar days, whichever occurs first, after the date on which the unit commences commercial operation.

4) Whenever the owner or operator makes a replacement, modification, or change in any certified continuous emission monitoring system under section 245-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record SO₂ mass emissions or heat input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify each continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include: replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the sampling probe or site. Any fuel flowmeter system under section 245-8.1(a)(1) is subject to the recertification requirements in 40 CFR 75.20(g)(6). [245-8.2(d)(2)]

5) Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in Subpart D of or appendix D to 40 CFR Part 75. [245-8.3(a)]



6) The CAIR designated representative shall comply with all recordkeeping and reporting requirements in section 245-8.3, the applicable recordkeeping and reporting requirements in Subparts F and G of 40 CFR Part 75, and the requirements of section 245-2.1(e)(1). [245-8.5(a)]

7) The owner or operator of a CAIR SO₂ unit shall comply with requirements of 40 CFR 75.62 for monitoring plans. [245-8.5(b)]

8) The CAIR designated representative shall submit an application to the department within 45 days after completing all initial certification or recertification tests required under section 245-8.2, including the information required under 40 CFR 75.63. [245-8.5(c)]

9) The CAIR designated representative shall submit quarterly reports of the SO₂ mass emissions data and heat input data for each CAIR SO₂ unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with: [245-8.5(d)(1)]

- i) the calendar quarter covering January 1, 2009 through March 31, 2009 for a unit that commences commercial operation before July 1, 2008; or
- ii) for a unit that commences commercial operation on or after July 1, 2008, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 245-8.1(b), unless that quarter is the third or fourth quarter of 2008, in which case reporting shall commence in the quarter covering January 1, 2009 through March 31, 2009.

10) The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.64. [245-8.5(d)(2)]

11) For CAIR SO₂ units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x Annual Trading Program, CAIR NO_x Ozone Season Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the SO₂ mass emission data, heat input data, and other information required by this Subpart. [245-8.5(d)(3)]



12) The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that: [245-8.5(e)]

- i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications; and
- ii) for a unit with add-on SO₂ emission controls and for all hours where SO₂ data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate SO₂ emissions.

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

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

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

Item 38.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

- 1.) Total facility fuel oil use shall not exceed 7,905,900 gallons based on a 365 day rolling total. This limit is from the Prevention of Significant Deterioration (PSD) permit issued to the plant.
- 2.) Fuel oil use shall be determined daily.
- 3.) Quarterly, report the 365 day rolling total fuel oil



use for each day of the quarter.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: NUMBER 2 OIL
Upper Permit Limit: 7.9059 million gallons
Monitoring Frequency: DAILY
Averaging Method: ANNUAL TOTAL ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

- 1.) The sulfur content of fuel oil is limited to 0.27% sulfur by weight. This limit was established in the PSD permit to comply with the BACT requirements associated with 40 CFR 52.21(j).
- 2.) The owner has elected to sample each batch of oil delivered as allowed in 40 CFR 60.334(i)(1)). Oil sampling may be performed either by the owner or operator, an outside laboratory, or a fuel supplier, provided that samples are representative and that sampling is performed according to either the single tank composite sampling procedure or the all-levels sampling procedure in ASTM D4057-88.
- 3.) The total sulfur content of the fuel shall be determined using approved analytical methods listed in 40 CFR 60.335(b)(10) or 40 CFR Part 75.
- 4.) The owner or operator shall submit reports of excess sulfur content in accordance with §60.7(c). Excess sulfur content is defined as when the sulfur content of a batch of oil delivered exceeds the sulfur in fuel limit above.



If this occurs, the owner or operator shall immediately switch to one of the other oil sampling options (i.e., daily sampling, flow proportional sampling, or sampling from the unit's storage tank) until all of the oil from the delivery has been combusted. When all of the fuel from the delivery has been burned, the owner or operator may resume using the as-delivered sampling option (60.334(j)(2)(ii)).

5.) All reports required under §60.7(c) shall be postmarked by the 30th day following the end of each calendar quarter (60.334(j)(5)).

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.27 percent by weight
Reference Test Method: Part 60.335 or Part 75 methods
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 40: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

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

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

Item 40.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

- 1.) The total number of hours the turbine and the auxiliary boiler operate, each taken separately, shall not exceed 2190 per year while firing number 2 fuel oil. This shall be calculated by summing the hours of operation of the gas turbine while firing number 2 fuel oil and the hours of operation the auxiliary boiler while firing number 2 fuel oil. The requirement was originally in the PSD permit issued to this facility.
- 2.) The hours each unit operates on fuel oil daily shall

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be recorded.

3.) Quarterly, report the 365 day rolling total hours of fuel oil operation for each day of the quarter.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 2190 hours

Monitoring Frequency: HOURLY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2012.

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

Condition 41: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:40 CFR Part 72

Item 41.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

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

Condition 42: Emission Point Definition By Emission Unit

Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 42.1:

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

Emission Unit: S-00001

Emission Point: 00001

Height (ft.): 135

Diameter (in.): 138

NYTMN (km.): 4727.002

NYTME (km.): 247.747

Building: 1

Item 42.2:

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

Emission Unit: S-00002

Emission Point: 00002

Height (ft.): 110

Diameter (in.): 52

NYTMN (km.): 4726.99

NYTME (km.): 247.731

Building: 1

Item 42.3:

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

Emission Unit: S-00003

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Emission Point: 00003
Height (ft.): 40 Diameter (in.): 12
NYTMN (km.): 4726.98 NYTME (km.): 247.726 Building: 1

Condition 43: Process Definition By Emission Unit
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 43.1:

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

Emission Unit: S-00001
Process: 200 Source Classification Code: 2-01-001-01
Process Description:
 GE frame 6 gas turbine firing on number 2 distillate oil,
 with or without the duct burning firing natural gas.

Emission Source/Control: S00DB - Combustion
Design Capacity: 84.4 million Btu per hour

Emission Source/Control: S00GT - Combustion
Design Capacity: 467.28 million Btu per hour

Emission Source/Control: S0STM - Control
Control Type: STEAM INJECTION

Item 43.2:

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

Emission Unit: S-00001
Process: 400 Source Classification Code: 2-01-002-01
Process Description:
 GE frame 6 gas turbine firing on natural gas, with or
 without the duct burning firing natural gas.

Emission Source/Control: S00DB - Combustion
Design Capacity: 84.4 million Btu per hour

Emission Source/Control: S00GT - Combustion
Design Capacity: 467.28 million Btu per hour

Emission Source/Control: S0STM - Control
Control Type: STEAM INJECTION

Item 43.3:

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

Emission Unit: S-00001
Process: 800 Source Classification Code: 2-01-002-01
Process Description:



GE Frame 6 combustion gas turbine firing natural gas and fuel oil simultaneously. The duct burner may be firing natural gas or may not be operating.

Emission Source/Control: S00DB - Combustion
Design Capacity: 84.4 million Btu per hour

Emission Source/Control: S00GT - Combustion
Design Capacity: 467.28 million Btu per hour

Emission Source/Control: S0STM - Control
Control Type: STEAM INJECTION

Item 43.4:

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

Emission Unit: S-00002
Process: 500 Source Classification Code: 1-02-006-01
Process Description: The auxiliary boiler burning natural gas.

Emission Source/Control: S0AUX - Combustion
Design Capacity: 170 million Btu per hour

Item 43.5:

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

Emission Unit: S-00002
Process: 600 Source Classification Code: 1-02-005-01
Process Description:
The auxiliary boiler burning number 2 distillate oil.

Emission Source/Control: S0AUX - Combustion
Design Capacity: 170 million Btu per hour

Item 43.6:

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

Emission Unit: S-00003
Process: 700 Source Classification Code: 3-01-820-01
Process Description:
The stripping column operated by batch process, removing ammonia from process wastewater prior to discharge.

Emission Source/Control: S0STP - Process
Design Capacity: 9.9 pounds per hour

Condition 44: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 44.1:

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Item 44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

- 1.) No person shall operate a stationary combustion installation which emits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity.
- 2.) There are no New Source Performance Standard (NSPS) limits for opacity for the combustion gas turbine (Subpart GG) or the duct burner (Subpart Dc).
- 3.) In the event the facility experiences operational problems which could result in smoke, a stack observation shall be made. In the event visible emissions are observed a six-minute opacity observation shall be made according to EPA Method 9.
- 4.) An exceedance of the above opacity limit shall be promptly reported to the Department by FAX or telephone, the cause of the problem, when the problem occurred, the duration of the emission and an estimate of the emission opacity range.
- 5.) Any visible stack emissions reported by FAX or telephone shall also be reported to the Department as part of the quarterly report.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR Part 60, Appendix A, Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2012.

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

Condition 45: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 45.1:



The Compliance Certification activity will be performed for:

Emission Unit: S-00001

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

DUCT BURNER STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT

- 1.) Carbon monoxide emissions from the duct burner alone while firing natural gas shall not exceed 12.0 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Manufacturer Name/Model Number: TSI

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 12.0 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix A, Method 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 46: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

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

Item 46.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

DUCT BURNER STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT

- 1.) Oxides of nitrogen (NO_x) from the duct burner alone while firing natural gas shall not exceed 8.5 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Manufacturer Name/Model Number: TSI

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 8.5 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix A, Method 20

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 47: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

STARTUP or SHUTDOWN firing NATURAL GAS

The original PSD permit provided a three hour window during startup and shutdown when the emission limits were not enforce because the source could not technically meet them during these periods. It takes up to three hours of operation for the GT to reach efficient combustion and the



CO emissions are reduced. During shutdown there may be unstable combustion which generates CO emissions.

- 1.) Firing natural gas, the combustion gas turbine shall not emit more than 97 pounds of CO during a startup or shutdown period. A startup period begins when the combustion process is initiated and lasts for 180 minutes (three hours). A shutdown period begins when the unit goes below the lowest level of stable operation or 80% of MW production.
- 2.) The hourly emissions for any partial hour after the end of the 180 minutes of startup period or before a shutdown period, will be calculated following the procedures in 40CFR Part 60, where there must be at least one minute of data outside the startup or shutdown period to be a valid 15-minute period. The calculated hourly average must comply with the normal operating emission limits.
- 3.) The total emissions from each startup and shutdown period shall be recorded. Data recording should be adjusted to reflect the CEM response time.
- 4.) CEM calibrations shall be avoided during the 180-minute startup or shutdown periods when feasible.
- 5.) Excess emissions shall be promptly reported to the Department and include the cause, the corrective action and the actual emissions. This information should also be included in the semi-annual compliance report.

Manufacturer Name/Model Number: TSI
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 97 pounds
Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Regulated Contaminant(s):



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

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

STARTUP or SHUTDOWN firing NATURAL GAS
The original PSD permit provided a three hour window during startup and shutdown when the emission limits were not enforce because the source could not technically meet them during these periods. It takes up to three hours of operation to generate the steam in the HRSG that is then injected into the GT to control NOx formation. During shutdown there may also be limited steam available for steam injection to control NOx.

- 1.) Firing natural gas, the combustion gas turbine shall not emit more than 201 pounds of NOx during a startup or shutdown period. A startup period begins when the combustion process is initiated and lasts for 180 minutes (three hours). A shutdown period begins when the unit goes below the lowest level of stable operation or 80% of MW production.
- 2.) The hourly emissions for any partial hour after the end of the 180 minutes of startup period or before a shutdown period, will be calculated following the procedures in 40CFR Part 60, where there must be at least one minute of data outside the startup or shutdown period to be a valid 15-minute period. The calculated hourly average must comply with the normal operating emission limits.
- 3.) The total emissions from each startup and shutdown period shall be recorded. Data recording should be adjusted to reflect the CEM response time.
- 4.) CEM calibrations shall be avoided during the 180-minute startup or shutdown periods when feasible.
- 5.) Excess emissions shall be promptly reported to the Department and include the cause, the corrective action and the actual emissions. This information should also be included in the semi-annual compliance report.

Manufacturer Name/Model Number: TSI

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 201 pounds

Reference Test Method: 40 CFR Part 60, Appendix B, PS 2

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

DUCT BURNER STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT

- 1.) PM-10 particulate emissions from the duct burner while firing natural gas shall not exceed 0.01 lb./mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request from the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Parameter Monitored: PM-10

Upper Permit Limit: 0.01 pounds per million Btus

Reference Test Method: 40 CFR Part 51, Appendix M, Method 201/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 50: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 50.1:

The Compliance Certification activity will be performed for:



Emission Unit: S-00001

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

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

STARTUP and SHUTDOWN firing FUEL OIL

The original PSD permit provided a three hour window during startup and shutdown when the emission limits were not enforce because the source could not technically meet them during these periods. It takes up to three hours of operation for the GT to reach efficient combustion and the CO emissions are reduced. During shutdown there may be unstable combustion which generates CO emissions.

- 1.) Firing fuel oil, the combustion gas turbine shall not emit more than 217 pounds of CO during a startup or shutdown period. A startup period begins when the combustion process is initiated and lasts for 180 minutes (three hours). A shutdown period begins when the unit goes below the lowest level of stable operation or 80% of MW production.
- 2.) The hourly emissions for any partial hour after the end of the 180 minutes of startup period or before a shutdown period, will be calculated following the procedures in 40CFR Part 60, where there must be at least one minute of data outside the startup or shutdown period to be a valid 15-minute period. The calculated hourly average must comply with the normal operating emission limits.
- 3.) The total emissions from each startup and shutdown period shall be recorded. Data recording should be adjusted to reflect the CEM response time.
- 4.) CEM calibrations shall be avoided during the 180-minute startup or shutdown periods when feasible.
- 5.) Excess emissions shall be promptly reported to the Department and include the cause, the corrective action and the actual emissions. This information should also be included in the semi-annual compliance report.

Manufacturer Name/Model Number: TSI

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 217 pounds

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 51: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Regulated Contaminant(s):

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

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

DUCT BURNER STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT

- 1.) PM-10 particulate emissions from the duct burner while firing natural gas shall not exceed 1.0 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Parameter Monitored: PM-10

Upper Permit Limit: 1.0 pounds per hour

Reference Test Method: 40 CFR Part 51 Appendix M, Methods 201/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 52: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

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:

DUCT BURNER STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT

- 1.) Oxides of nitrogen (NO_x) emissions from the duct burner alone while firing natural gas shall not exceed 0.10 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Manufacturer Name/Model Number: TSI

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 20

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 53: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Regulated Contaminant(s):



CAS No: 0NY075-00-0 PARTICULATES

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

DUCT BURNER STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT

- 1.) Particulate emissions from the duct burner while firing natural gas shall not exceed 0.01 lb./mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.01 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 54: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following requirements were in the Prevention of Significant Deterioration (PSD) permit originally issued to the facility:

- 1) The temperature of the inlet air to the turbine, after the inlet air cooling system, and the ambient air



- temperature must be measured and recorded. Such measurements must be accurate within +/- 3 degrees Fahrenheit.
- 2) The turbine shall only fire natural gas and #2 fuel oil.
 - 3) The duct burner shall only fire natural gas.
 - 4) The stack gas volumetric flow rate must be continuously calculated and recorded using the methodology specified in the CEM monitoring plans.
 - 5) The turbine may not operate simultaneously with the auxiliary boiler except during periods of startup and shutdown.

Periodically report the compliance status the above items.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 55: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 55.1:
The Compliance Certification activity will be performed for:

Emission Unit: S-00001

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

Item 55.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

STARTUP and SHUTDOWN firing FUEL OIL
The original PSD permit provided a three hour window during startup and shutdown when the emission limits were not enforce because the source could not technically meet them during these periods. It takes up to three hours of operation to generate the steam in the HRSG that is then injected into the GT to control NOx formation. During shutdown there may also be limited steam available for steam injection to control NOx.

- 1.) Firing fuel oil, the combustion gas turbine shall not emit more than 484 pounds of NOx during a startup or



shutdown period. A startup period begins when the combustion process is initiated and lasts for 180 minutes (three hours). A shutdown period begins when the unit goes below the lowest level of stable operation or 80% of MW production.

- 2.) The hourly emissions for any partial hour after the end of the 180 minutes of startup period or before a shutdown period, will be calculated following the procedures in 40CFR Part 60, where there must be at least one minute of data outside the startup or shutdown period to be a valid 15-minute period. The calculated hourly average must comply with the normal operating emission limits.
- 3.) The total emissions from each startup and shutdown period shall be recorded. Data recording should be adjusted to reflect the CEM response time.
- 4.) CEM calibrations shall be avoided during the 180-minute startup or shutdown periods when feasible.
- 5.) Excess emissions shall be promptly reported to the Department and include the cause, the corrective action and the actual emissions. This information should also be included in the semi-annual compliance report.

Manufacturer Name/Model Number: TSI
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 484 pounds
Reference Test Method: 40 CFR Part 60, Appendix B, PS 2
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 56: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 56.1:
The Compliance Certification activity will be performed for:

Emission Unit: S-00001

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

Item 56.2:
Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

DUCT BURNER STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT

- 1.) Carbon monoxide emissions from the duct burner while firing natural gas shall not exceed 0.14 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Manufacturer Name/Model Number: TSI

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.14 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 57: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

DUCT BURNER STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT

- 1.) Particulate emissions from the duct burner while firing natural gas shall not exceed 1.0 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



- higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request from the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 1.0 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 58: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall install, calibrate, maintain and operate a continuous emission monitoring system in the gas turbine/duct burner exhaust stack to measure oxygen. Oxygen measurements are used to adjust NOx and CO measurements to a reference condition, 15% oxygen. This requirement was carried over from the original PSD (40 CFR Part 52.21(j)) permit. Semi-annually report the compliance status of this condition. Take into consideration the operation of the oxygen CEMS during the reporting period and the results of the required QA/QC evaluations.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 59: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017



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

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Item 59.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

- 1.) The gas turbine may not operate below 80% load except during periods of startup and shutdown, not to exceed three hours. 80% load corresponds to 30.0 megawatts (MW, gas firing, at 48.0 degree F). The attached figure 1 correlates this limit to the current turbine inlet temperature. This condition was carried over from the original PSD permit.
- 2.) The average hourly MW output shall be measured. The 80% load for the ambient conditions shall be determined.
- 3.) The average hourly MW output and the 80% load for ambient conditions shall be recorded in a format acceptable to the Department.
- 4.) Quarterly, report the periods when the load was below 80%, including the time, hourly average, 80% load, the cause and the corrective actions.

Parameter Monitored: ELECTRICAL OUTPUT

Lower Permit Limit: 80 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2012.

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

**Condition 60: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 07/02/2012 and 07/01/2017**

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 60.1:

This Condition applies to Emission Unit: S-00001

Item 60.2:

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Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



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

Condition 61: EPA Region 2 address.
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 61.1:
This Condition applies to Emission Unit: S-00001

Item 61.2:
All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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

Condition 62: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

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

Emission Unit: S-00001

Item 62.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
DUCT BURNER

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Record and maintain records of the amount of each fuel combusted in the duct burner each day.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 63: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 200

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

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION OF GAS TURBINE WHILE FIRING NUMBER 2
DISTILLATE OIL WITH OR WITHOUT THE DUCT BURNER FIRING
NATURAL GAS:

- 1.) Emissions of oxides of nitrogen (NO_x) shall not exceed an hourly average of 54 ppmv (dry, corrected to 15% oxygen). This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 2 in 40 CFR 60 Appendix B.
- 3.) Recordkeeping and monitoring shall be conducted according with 60.7 and 60.13.
- 4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI

Parameter Monitored: OXIDES OF NITROGEN

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Upper Permit Limit: 54 parts per million by volume (dry,
corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60, Appendix B, PS 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 64: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 200

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION OF GAS TURBINE WHILE FIRING NUMBER 2
DISTILLATE OIL WITH OR WITHOUT THE DUCT BURNER FIRING
NATURAL GAS:

- 1.) Emissions of oxides of nitrogen (NO_x) shall not exceed the values from the attached performance curves (Figure # 2) under full load for the corresponding combustion air inlet temperature. The NO_x limit of 99.0 lb/hr corresponds to an inlet air temperature of 47.5 degrees F. This limit was established to comply with Prevention of Significant Deterioration (PSD) BACT requirements and is based on heat input corresponding to the higher heating value of the fuel burned.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 2 in 40 CFR 60 Appendix B.
- 3.) Recordkeeping and monitoring shall be conducted according with 60.7 and 60.13.
- 4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports

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required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 99.0 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B, PS 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 65: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 200

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

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION OF GAS TURBINE WHILE FIRING NUMBER 2
DISTILLATE OIL WITH OR WITHOUT THE DUCT BURNER FIRING
NATURAL GAS:

- 1.) Emissions of carbon monoxide (CO) shall not exceed the values from the attached performance curves (Figure # 2) under full load for the corresponding combustion air inlet temperature. The CO limit of 40.0 lb/hr corresponds to an inlet air temperature of 47.5 degrees F. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 4 or 4A in 40 CFR 60 Appendix B.
- 3.) Recordkeeping and monitoring shall be conducted according with 60.7 and 60.13.

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- 4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 40.0 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 66: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 200

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

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION OF GAS TURBINE WHILE FIRING NUMBER 2
DISTILLATE OIL WITH OR WITHOUT THE DUCT BURNER FIRING
NATURAL GAS:

- 1.) Emissions of carbon monoxide (CO) shall not exceed 44 ppmv (dry, corrected to 15% O₂). This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 4 or 4A in 40 CFR 60 Appendix B.
- 3.) Recordkeeping and monitoring shall be conducted according with 60.7 and 60.13.
- 4.) Report the Quality Assurance test results required by

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40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 44 parts per million by volume (dry, corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 67: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 200 Emission Source: S00GT

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

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NORMAL OPERATION OF GAS TURBINE WHILE FIRING NUMBER 2 DISTILLATE OIL. STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT.

- 1.) PM-10 particulate emissions shall not exceed 17.0 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test for PM-10 upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Parameter Monitored: PM-10

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Facility DEC ID: 9563200010



Upper Permit Limit: 17.0 pounds per hour
Reference Test Method: 40 CFR Part 51, Appendix M, Methods 201/202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 68: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 200 Emission Source: S00GT

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

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NORMAL OPERATION OF GAS TURBINE WHILE FIRING NUMBER 2
DISTILLATE OIL. STACK TESTING REQUIRED AT THE REQUEST OF
THE DEPARTMENT.

- 1.) Particulate emissions shall not exceed 17.0 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test for particulates upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 17.0 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 or 17
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 69: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017



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

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 200 Emission Source: S00GT

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

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NORMAL OPERATION OF GAS TURBINE WHILE FIRING NUMBER 2
DISTILLATE OIL. STACK TESTING REQUIRED AT THE REQUEST OF
THE DEPARTMENT.

- 1.) Particulate emissions shall not exceed 0.041 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test for particulates upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.041 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Methods 5 OR 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 70: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 200 Emission Source: S00GT

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

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NORMAL OPERATION OF GAS TURBINE WHILE FIRING NUMBER 2 DISTILLATE OIL. STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT.

- 1.) PM-10 particulate emissions shall not exceed 0.041 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test for PM-10 upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Parameter Monitored: PM-10

Upper Permit Limit: 0.041 pounds per million Btus

Reference Test Method: 40 CFR Part 51, Appendix M, Methods 201/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 71: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Emission Point: 00001

Process: 400

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE FIRING ON NATURAL GAS WITH OR WITHOUT THE DUCT BURNER FIRING NATURAL GAS:



- 1.) Combined emissions of carbon monoxide (CO) from the gas turbine and duct burner while firing natural gas shall not exceed the values from the attached performance curves (Figure # 3) under full load for the corresponding combustion air inlet temperature. The CO limit of 52.0 lb/hr corresponds to an inlet air temperature of 47.5 degrees F. The limit was established to comply with Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel burned.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification requirements in 40 CFR 60 Appendix B.
- 3.) Recordkeeping, reporting and monitoring shall be conducted according to 60.7 and 60.13.
- 4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emission reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 52.0 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 72: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

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

Emission Unit: S-00001 Emission Point: 00001
Process: 400

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

Item 72.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:



NORMAL OPERATION FOR THE TURBINE FIRING NATURAL GAS AND
THE AND DUCT BURNER FIRING OR NOT NATURAL GAS

- 1.) Emissions of carbon monoxide (CO) from the gas turbine while firing natural gas, with or without with the duct burner firing natural gas, shall not exceed an hourly average of 44 ppmv (dry, corrected to 15% oxygen). The limit was established to comply with Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel burned.
- 2.) A continuous emission monitoring system must be used to monitor CO emissions according to Part 60, Appendix B, Performance Specification 4.
- 3.) Recordkeeping, reporting and monitoring shall be conducted according to 60.7 and 60.13.
- 4.) The owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40CFR 60.7(c).

Manufacturer Name/Model Number: TSI
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 44 parts per million by volume (dry,
corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 73: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 400

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

Item 73.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE FIRING ON NATURAL GAS WITH OR WITHOUT THE DUCT BURNER FIRING NATURAL GAS:

1.) Combined emissions of oxides of nitrogen (NOx) from the gas turbine and duct burner while firing natural gas shall not exceed the values from the attached performance curves (Figure # 3) under full load for the corresponding combustion air inlet temperature. The NOx limit of 64.5 lb/hr corresponds to an inlet air temperature of 47.5 degrees F. The limit was established to comply with Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel burned.

2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification requirements in 40 CFR 60 Appendix B.

3.) Recordkeeping, reporting and monitoring shall be conducted according to 60.7 and 60.13.

4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emission reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 64.5 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B, PS 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 400

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

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE TURBINE FIRING ON NATURAL GAS
WITH OR WITHOUT THE DUCT BURNER FIRING NATURAL GAS:

- 1.) Emissions of oxides of nitrogen (NO_x) from the gas turbine while firing natural gas, with or without with the duct burner firing natural gas, shall not exceed an hourly average of 32 ppmv (dry, corrected to 15% oxygen). The limit was established to comply with Prevention of Significant Deterioration (PSD) BACT requirements and is based on the higher heating value of the fuel burned.
- 2.) A continuous emission monitoring system must be used to monitor NO_x emissions according to Part 60, Appendix B, Performance Specification 2.
- 3.) Recordkeeping, reporting and monitoring shall be conducted according to 60.7 and 60.13.
- 4.) The owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40CFR 60.7(c).

Manufacturer Name/Model Number: TSI

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 32 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix B, PS 2

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2012.

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

Condition 75: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Emission Point: 00001

Process: 400

Emission Source: S00GT

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



CAS No: 0NY075-00-0 PARTICULATES

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE TURBINE ALONE WHILE FIRING NATURAL GAS. STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT.

- 1.) Particulate emissions from the gas turbine alone while firing natural gas shall not exceed 2.5 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request from the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 2.5 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix A, Methods 5 or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 76: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Emission Point: 00001

Process: 400

Emission Source: S00GT

Regulated Contaminant(s):

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE TURBINE ALONE WHILE FIRING NATURAL



GAS. STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT.

- 1.) PM-10 particulate emissions from the gas turbine alone while firing natural gas shall not exceed 2.5 lb/hr.
This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request from the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Parameter Monitored: PM-10
Upper Permit Limit: 2.5 pounds per hour
Reference Test Method: 40 CFR Part 51, Appendix M, Methods 201/202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 77: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 77.1:
The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 400 Emission Source: S00GT

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

Item 77.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

STACK TESTING OF THE TURBINE ALONE WHILE FIRING NATURAL GAS. STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT.

- 1.) Particulate emissions from the gas turbine alone while firing natural gas shall not exceed 0.006 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.

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- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request from the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.006 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 OR 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 78: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Emission Point: 00001

Process: 400

Emission Source: S00GT

Regulated Contaminant(s):

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

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE TURBINE ALONE WHILE FIRING NATURAL GAS. STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT.

- 1.) PM-10 particulate emissions from the gas turbine alone while firing natural gas shall not exceed 0.006 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request from the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing. A test report shall be submitted to the Department within 60 days of testing.



Parameter Monitored: PM-10
Upper Permit Limit: 0.006 pounds per million Btus
Reference Test Method: 40 CFR Part 51, Appendix M, Methods 201/202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 79: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 800

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO-FIRING NATURAL GAS AND OIL

1.) When co-firing natural gas and fuel oil in the CGT the source may not exceed the emission limit as calculated below. This limit is based on heat input corresponding to the higher heating value of the fuel burned.

2.) $E = ((Eng \times Hng) + (Eo \times Ho)) / (Hng + Ho)$
where

E is the nitrogen oxide (NO_x) limit in pounds per hour

Eng is the natural gas NO_x limit from the PSD conditions, 64.5 lb/hr*

Hng is the heat input from natural gas during the hour, calculated using the higher heating value of the most recent natural gas analysis

Eo is the fuel oil NO_x limit from the PSD conditions, 99.0 lb/hr*

Ho is the heat input from fuel oil during the hour, based on the highest Gross Calorific Value (GCV) for the previous calendar year unless a higher sample value is obtained during the current calendar year, per 40CFR Part 75 App D, sec 2.2

* The mass emission rates (lb/hr) correspond to an ambient temperature of 47.5 F. Use figure 1, attached,



to correlate these limits to current ambient temperatures.

3.) The actual emissions and the calculated limit must be recorded each hour.

4.) Any emissions above the limit should be reported following the requirements of 60.7(c) and submitted quarterly.

Manufacturer Name/Model Number: TSI
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 99.0 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B, PS 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 80: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

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

Emission Unit: S-00001 Emission Point: 00001
Process: 800

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

Item 80.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
CO-FIRING NATURAL GAS AND OIL

1.) When co-firing natural gas and fuel oil in the CGT the source may not exceed the emission limit as calculated below. This limit is based on heat input corresponding to the higher heating value of the fuel burned.

2.) $E = ((E_{ng} \times H_{ng}) + (E_o \times H_o)) / (H_{ng} + H_o)$
where

E is the carbon monoxide (CO) limit in pounds per hour



Eng is the natural gas CO limit from the PSD conditions, 52.0 lb/hr*

Hng is the heat input from natural gas during the hour, calculated using the higher heating value of the most recent natural gas analysis

Eo is the fuel oil CO limit from the PSD conditions, 40.0 lb/hr*

Ho is the heat input from fuel oil during the hour, based on the highest Gross Calorific Value (GCV) for the previous calendar year unless a higher sample value is obtained during the current calendar year, per 40CFR Part 75 App D, sec 2.2

* The mass emission rates (lb/hr) correspond to an ambient temperature of 47.5 F. Use figure 1, attached, to correlate these limits to current ambient temperatures.

3.) The hourly emissions and the calculated limit must be recorded each hour.

4.) Any emissions above the limit should be reported following the requirements of 60.7(c) and submitted quarterly.

Manufacturer Name/Model Number: TSI
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 52.0 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 81: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

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

Emission Unit: S-00001 Emission Point: 00001
Process: 800

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

Item 81.2:
Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO-FIRING NATURAL GAS AND OIL

1.) When co-firing natural gas and fuel oil in the CGT the source may not exceed the emission limit as calculated below. This limit is based on heat input corresponding to the higher heating value of the fuel burned.

$$2.) E = ((Eng \times Hng) + (Eo \times Ho)) / (Hng + Ho)$$

where

E is the nitrogen oxide (NO_x) limit in parts per million by volume

Eng is the natural gas NO_x limit from the PSD conditions, 32 ppmv

Hng is the heat input from natural gas during the hour, calculated using the higher heating value of the most recent natural gas analysis.

Eo is the fuel oil NO_x limit from the PSD conditions, 54 ppmv

Ho is the heat input from fuel oil during the hour, based on the highest Gross Calorific Value (GCV) for the previous calendar year unless a higher sample value is obtained during the current calendar year, per 40CFR Part 75 App D, sec 2.2

3.) The hourly emissions and the calculated limit must be recorded each hour.

4.) Any emissions above the limit should be reported following the requirements of 60.7(c) and submitted quarterly.

Manufacturer Name/Model Number: TSI

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 54 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix B, PS 2

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2012.

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

Condition 82: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 82.1:



The Compliance Certification activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 800

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

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO-FIRING NATURAL GAS AND OIL

1.) When co-firing natural gas and fuel oil in the CGT the source may not exceed the emission limit as calculated below.

2.) $E = ((Eng \times Hng) + (Eo \times Ho)) / (Hng + Ho)$
where

E is the carbon monoxide (CO) limit in parts per million by volume

Eng is the natural gas CO limit from the PSD conditions, 44 ppmv

Hng is the heat input from natural gas during the hour, calculated using the higher heating value of the most recent natural gas analysis.

Eo is the fuel oil CO limit from the PSD conditions, 44 ppmv

Ho is the heat input from fuel oil during the hour, based on the highest Gross Calorific Value (GCV) for the previous calendar year unless a higher sample value is obtained during the current calendar year, per 40CFR Part 75 App D, sec 2.2.

3.) The hourly emissions and the calculated limit must be recorded each hour.

4.) Any emissions above the limit should be reported following the requirements of 60.7(c) and submitted quarterly.

Manufacturer Name/Model Number: TSI

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 44 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix B, PS 4A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: QUARTERLY (CALENDAR)



Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 83: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

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

Emission Unit: S-00002

Item 83.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- 1) The auxiliary boiler may not operate simultaneously with the turbine except during periods of startup and shutdown.
- 2) The auxiliary boiler shall only fire natural gas and number 2 fuel oil.
- 3.) Semi-annually report the compliance status of this condition.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

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

Emission Unit: S-00002

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

Item 84.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Monitoring Description:

NORMAL OPERATION FOR THE AUXILIARY BOILER FIRING ON NATURAL GAS or DISTILLATE OIL #2

1.) Emissions of oxides of nitrogen (NO_x) from auxiliary boiler while firing natural gas shall not exceed 0.20 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.

2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 2 in 40 CFR 60 Appendix B.

3.) Recordkeeping, reporting and monitoring shall be conducted according to 60.7 and 60.13.

4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix B, PS 2

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2012.

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

Condition 85: Applicability of General Provisions of 40 CFR 60 Subpart A Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 85.1:

This Condition applies to Emission Unit: S-00002

Item 85.2:

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

Condition 86: EPA Region 2 address. Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



Item 86.1:

This Condition applies to Emission Unit: S-00002

Item 86.2:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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

Condition 87: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:40CFR 60.43b(f), NSPS Subpart Db

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 87.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

1.) No owner or operator shall allow the discharged of any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. (per 40 CFR 60.43b(f) and 6NYCRR 227-1.3(a))

2.) Below are the strictest requirements from 40 CFR 60



subpart Db and 6NYCRR 227-1. If the requirements of this condition are met then the permittee will be in compliance with the opacity requirements of both Part 60 subpart Db and Part 227.

3.) The owner or operator shall install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere and record the output of the system. (per 60.48b(a))

4.) The procedures found in 40 CFR 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. (per 60.48b(e))

5.) The owner or operator shall maintain records of opacity. (per 60.49b(g))

6.) Excess emission reports shall be submitted every six months to the Administrator for any excess emissions which occurred during the reporting period. (per 60.49b(h) & 60.49b(w))

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR Part 60, Appendix B, PS 1

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 88: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement: 40CFR 60.49b(d), NSPS Subpart Db

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for distillate oil and natural gas for each calendar quarter.



The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

This monitoring shall commence when the auxiliary boiler is started up. Currently, the auxiliary boiler is in a long term cold storage, with the fuel supplies disconnected and the unit in a nitrogen purge. The compliance status of this condition must still be reported semiannually.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 89: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement:40CFR 60.49b(g), NSPS Subpart Db

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

Emission Unit: S-00002

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

Item 89.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator shall maintain records of the following information for each steam generating unit operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO₂) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for



- such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
 - 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
 - 7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.
 - 8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.
 - 9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.
 - 10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 90: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

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

Emission Unit: S-00002 Emission Point: 00002
Process: 500

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

Item 90.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

NORMAL OPERATION FOR THE AUXILIARY BOILER FIRING ON
NATURAL GAS

- 1.) Emissions of carbon monoxide (CO) from auxiliary

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



- monitoring system (CEMS) meeting Performance Specification 4 or 4A in 40 CFR 60 Appendix B.
- 3.) Recordkeeping and monitoring shall be conducted according to 60.7 and 60.13.
- 4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 7.2 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B, PS 4
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 92: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002 Emission Point: 00002
Process: 500

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

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE AUXILIARY BOILER WHILE FIRING NATURAL GAS AT THE REQUEST OF THE DEPARTMENT.

- 1.) PM-10 particulate emissions from the auxiliary boiler while firing natural gas shall not exceed 0.9 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.



Parameter Monitored: PM-10
Upper Permit Limit: 0.9 pounds per hour
Reference Test Method: 40 CFR Part 51, Appendix M, Methods 201/202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 93: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

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

Emission Unit: S-00002 Emission Point: 00002
Process: 500

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

Item 93.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
STACK TESTING OF THE AUXILIARY BOILER WHILE FIRING
NATURAL GAS AT THE REQUEST OF THE DEPARTMENT.

- 1.) PM-10 particulate emissions from the auxiliary boiler while firing natural gas shall not exceed 0.005 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PM-10
Upper Permit Limit: 0.005 pounds per million Btus
Reference Test Method: 40 CFR Part 51, Appendix M, Methods 201/202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 94: Compliance Certification



Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002 Emission Point: 00002
Process: 500

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

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE AUXILIARY BOILER WHILE FIRING
NATURAL GAS AT THE REQUEST OF THE DEPARTMENT.

- 1.) Particulate emissions from the auxiliary boiler while firing natural gas shall not exceed 0.005 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.005 pounds per million Btus
Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 OR 17
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 95: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002 Emission Point: 00002
Process: 500



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

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE AUXILIARY BOILER WHILE FIRING
NATURAL GAS AT THE REQUEST OF THE DEPARTMENT.

- 1.) Particulate emissions from the auxiliary boiler while firing natural gas shall not exceed 0.9 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.9 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 96: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002
Process: 500

Emission Point: 00002

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

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE AUXILIARY BOILER FIRING ON
NATURAL GAS

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



- 1.) Emissions of oxides of nitrogen (NO_x) from auxiliary boiler while firing natural gas shall not exceed 44.5 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 2 in 40 CFR 60 Appendix B.
- 3.) Recordkeeping and monitoring shall be conducted according with 60.7 and 60.13.
- 4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 44.5 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B, PS 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 97: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002 Emission Point: 00002
Process: 600

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

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE AUXILIARY BOILER FIRING ON
NUMBER 2 DISTILLATE OIL

- 1.) Emissions of carbon monoxide (CO) from auxiliary boiler while firing number 2 oil shall not exceed 7.5 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based



- on the higher heating value of the fuel burned.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 4 or 4A in 40 CFR 60 Appendix B.
- 3.) Recordkeeping and monitoring shall be conducted according to 60.7 and 60.13.
- 4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 7.5 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B, PS 4
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 98: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 98.1:
The Compliance Certification activity will be performed for:

Emission Unit: S-00002 Emission Point: 00002
Process: 600

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

Item 98.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
NORMAL OPERATION FOR THE AUXILIARY BOILER FIRING ON
NUMBER 2 DISTILLATE OIL

- 1.) Emissions of carbon monoxide (CO) from auxiliary boiler while firing number 2 oil shall not exceed 0.05 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 4 or 4A in 40 CFR 60 Appendix B.
- 3.) Recordkeeping and monitoring shall be conducted

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according to 60.7 and 60.13.

4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 0.05 pounds per million Btus
Reference Test Method: 40 CFR Part 60, Appendix B, PS 4
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 99: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002 Emission Point: 00002
Process: 600

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

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE AUXILIARY BOILER WHILE FIRING
NUMBER 2 DISTILLATE OIL AT THE REQUEST OF THE DEPARTMENT.

- 1.) Particulate emissions from the auxiliary boiler while firing number 2 oil shall not exceed 5.2 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PM-10

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Upper Permit Limit: 5.2 pounds per hour

Reference Test Method: 40 CFR Part 51, Appendix M, Method 201/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 100: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002

Emission Point: 00002

Process: 600

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

**STACK TESTING OF THE AUXILIARY BOILER WHILE FIRING
NUMBER 2 DISTILLATE OIL AT THE REQUEST OF THE DEPARTMENT.**

- 1.) Particulate emissions from the auxiliary boiler while firing number 2 oil shall not exceed 5.2 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 5.2 pounds per hour

Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 101: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017



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

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002 Emission Point: 00002
Process: 600

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

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE AUXILIARY BOILER WHILE FIRING
NUMBER 2 DISTILLATE OIL AT THE REQUEST OF THE DEPARTMENT.

- 1.) PM-10 particulate emissions from the auxiliary boiler while firing number 2 oil shall not exceed 0.032 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PM-10

Upper Permit Limit: 0.032 pounds per million Btus

Reference Test Method: 40 CFR Part 51, Appendix M, Methods 201/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 102: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002 Emission Point: 00002
Process: 600



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

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NORMAL OPERATION FOR THE AUXILIARY BOILER FIRING ON
NUMBER 2 DISTILLATE OIL

- 1.) Emissions of oxides of nitrogen (NO_x) from auxiliary boiler while firing number 2 oil shall not exceed 44.5 lb/hr. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 2 in 40 CFR 60 Appendix B.
- 3.) Recordkeeping and monitoring shall be conducted according to 60.7 and 60.13.
- 4.) Report the Quality Assurance test results required by 40 CFR 60 Appendix F, and the excess emissions reports required by 40 CFR 60.7.

Manufacturer Name/Model Number: TSI
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 44.5 pounds per hour
Reference Test Method: 40 CFR Part 60, Appendix B, PS 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 103: Compliance Certification
Effective between the dates of 07/02/2012 and 07/01/2017

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

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00002 Emission Point: 00002
Process: 600

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

Item 103.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TESTING OF THE AUXILIARY BOILER WHILE FIRING
NUMBER 2 DISTILLATE OIL AT THE REQUEST OF THE DEPARTMENT.

- 1.) Particulate emissions from the auxiliary boiler while firing number 2 oil shall not exceed 0.032 lb/mmBtu. This limit was established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned.
- 2.) The facility shall conduct periodic monitoring by conducting a stack emission test upon written request of the Department.
- 3.) The facility shall submit a stack testing protocol for Department approval 30 days before testing and submit a test report within 60 days of testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.032 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 5 or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 104: Compliance Certification

Effective between the dates of 07/02/2012 and 07/01/2017

Applicable Federal Requirement: 6 NYCRR 212.9

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-00003

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions shall be monitored from the stripping column by sampling and analyzing both inlet and outlet wastewater for ammonia, and measuring the wastewater flow rate, then in turn calculating emissions by material balance.

The stripping column emits ammonia at a rate of 9.9 pounds

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per hour. Part 212.9(b) table 2 requires control for ammonia, a "c" rated contaminant, if emitted at a rate of 10 pounds per hour or greater. No control is therefore required for this process so long as emissions are maintained below 10 pounds per hour.

Parameter Monitored: AMMONIA

Upper Permit Limit: 9.9 pounds per hour

Reference Test Method: Department accepted method

Monitoring Frequency: QUARTERLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2012.

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



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 105: Contaminant List
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable State Requirement:ECL 19-0301

Item 105.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000124-38-9
Name: CARBON DIOXIDE



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

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

CAS No: 007664-41-7
Name: AMMONIA

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

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

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

**Condition 106: Unavoidable noncompliance and violations
Effective between the dates of 07/02/2012 and 07/01/2017**

Applicable State Requirement: 6 NYCRR 201-1.4

Item 106.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain



reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 107: Compliance Demonstration
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable State Requirement: 6 NYCRR 242-1.5

Item 107.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 107.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators of the CO₂ budget source and each CO₂ budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 10 years, in writing by the department.

(i) The account certificate of representation for the CO₂ authorized account representative for the source and each CO₂ budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 6 NYCRR Part 242-2.4, provided that the certificate and documents shall be retained on site at the source beyond such 10-year period until such documents are superseded because of the submission of a new account certificate of representation.

(ii) All emissions monitoring information, in accordance



with Subpart 242-8 and 40 CFR 75.57.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO2 Budget Trading Program.

(iv) Copies of all documents used to complete a CO2 budget permit application and any other submission under the CO2 Budget Trading Program or to demonstrate compliance with the requirements of the CO2 Budget Trading Program.

The CO2 authorized account representative of a CO2 budget source and each CO2 budget unit at the source shall submit the reports and compliance certifications required under the CO2 Budget Trading Program, including those under Subpart 242-4.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 108: Compliance Demonstration
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable State Requirement: 6 NYCRR Subpart 242-4

Item 108.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 108.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Annual Compliance Certification Report:

(a) For each control period in which a CO2 budget source is subject to the CO2 requirements of subdivision 242-1.5(c) of this Part, CO2 authorized account representative of the source shall submit to the department by March 1st following the relevant control period, a compliance certification report. The control period is a three-calendar-year time period.

(b) The compliance certification report shall include the following elements:



(1) identification of the source and each CO2 budget unit at the source;

(2) as an option, the serial numbers of the CO2 allowances that are to be deducted from the source's compliance account under section 242-6.5 of this Part for the control period, including the serial numbers of any CO2 offset allowances that are to be deducted subject to the limitations of section 242-6.5(a)(3) of this Part; and

(3) the compliance certification under subdivision (c) of this section (below).

(c) In the compliance certification report the CO2 authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the CO2 budget units at the source in compliance with the CO2 Budget Trading Program, whether the source and each CO2 budget unit at the source for which the compliance certification is submitted was operated during the calendar years covered by the report in compliance with the requirements of the CO2 Budget Trading Program, including:

(1) whether the source was operated in compliance with the CO2 requirements of section 242-1.5(c) of this Part;

(2) whether the monitoring plan applicable to each unit at the source has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute CO2 emissions to the unit, in accordance with Subpart 242-8 of this Part;

(3) whether all the CO2 emissions from the units at the source 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 242-8 of this Part. 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;

(4) whether the facts that form the basis for certification under Subpart 242-8 of each monitor at each unit at the source, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 242-8 of this Part, if any, have changed;



and

(5) if a change is required to be reported under paragraph (c)(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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 109: Compliance Demonstration
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable State Requirement:6 NYCRR 242-8.5

Item 109.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 109.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

(a) General provisions. The CO₂ authorized account representative shall comply with all recordkeeping and reporting requirements in this section, the applicable record keeping and reporting requirements under 40 CFR 75.73 and with the requirements of section 242-2.1(e) of this Part.

(b) Monitoring plans. The owner or operator of a CO₂ budget unit shall submit a monitoring plan in the manner prescribed in 40 CFR 75.62.

(c) Certification applications. The CO₂ authorized account representative shall submit an application to the department within 45 days after completing all CO₂ monitoring system initial certification or recertification tests required under section 242-8.2 of this Subpart including the information required under 40 CFR 75.63 and 40 CFR 75.53(e) and (f).

(d) Quarterly reports. The CO₂ authorized account



representative shall submit quarterly reports, as follows:

(1) The CO2 authorized account representative shall report the CO2 mass emissions data and heat input data for the CO2 budget unit, in an electronic format prescribed by the administrator unless otherwise prescribed by the department for each calendar quarter.

(2) The CO2 authorized account representative shall submit each quarterly report to the department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO2 budget unit (or group of units using a common stack), and shall include all of the data and information required in subpart G of 40 CFR part 75, except for opacity, NOx, and SO2 provisions.

(3) The CO2 authorized account representative shall submit to the department or its agent a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

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

(ii) for a unit with add-on CO2 emissions controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emissions controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B of 40 CFR part 75 and the substitute values do not systematically underestimate CO2 emissions; and

(iii) the CO2 concentration values substituted for missing data under Subpart D of 40 CFR part 75 do not systematically underestimate CO2 emissions.

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 10/30/2012.

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

**** Emission Unit Level ****

Condition 110: Compliance Demonstration
Effective between the dates of 07/02/2012 and 07/01/2017



Applicable State Requirement:6 NYCRR 227-2.4 (e) (3)

Item 110.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 200

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

Item 110.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx RACT for 7/1/2014 and Beyond – Turbine Firing Fuel Oil

- 1.) Emissions of oxides of nitrogen (NOx) shall not exceed an hourly average of 54 ppmv (dry, corrected to 15% oxygen) while firing fuel oil.
- 2.) The December 27, 2011 NOx Reasonably Available Control Technology (RACT) Compliance Plan concluded that using the current steam injection system to minimize NOx emissions is RACT. The facility has not operated often the last few years (as of January 2012) so it need more time to research and test the turbine's capability of operating with more steam injection to reduce NOx emissions even further. This limit was initially established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned and as of July 1, 2014 will also be the NOx RACT emission limit.
- 3.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 2 in 40 CFR 60 Appendix B.
- 4.) Recordkeeping and monitoring shall be conducted according to 60.7 and 60.13 or according to 40 CFR Part 75.
- 5.) The Quality Assurance test results conducted according to 40 CFR Part 60, Appendix F or 40 CFR Part 75 and the excess emission reports required by 40 CFR Part 60.7 shall be submitted to the Department. The annual recertification, quarterly accuracy, and daily calibration drift test must be performed in accordance with 40 CFR Part 60, Appendix F or 40 CFR Part 75.



Manufacturer Name/Model Number: TSI
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 54 parts per million by volume (dry,
corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60, Appendix B, PS 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 111: Compliance Demonstration
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable State Requirement: 6 NYCRR 227-2.4 (e) (3)

Item 111.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: S-00001 Emission Point: 00001
Process: 400

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

Item 111.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

NO_x RACT for 7/1/2014 and Beyond – Turbine Firing Natural Gas

1.) Emissions of oxides of nitrogen (NO_x) shall not exceed an hourly average of 32 ppmv (dry, corrected to 15% oxygen) while firing fuel oil.

2.) The December 27, 2011 NO_x Reasonably Available Control Technology (RACT) Compliance Plan concluded that using the current steam injection system to minimize NO_x emissions is RACT. The facility has not operated often the last few years (as of January 2012) so it need more time to research and test the turbine's capability of operating with more steam injection to reduce NO_x emissions even further. This limit was initially established to comply with the BACT requirements associated with 40 CFR 52.21(j) and is based on the higher heating value of the fuel burned and as of July 1, 2014 will also be the NO_x RACT



emission limit.

3.) The emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 2 in 40 CFR 60 Appendix B.

4.) Recordkeeping and monitoring shall be conducted according to 60.7 and 60.13 or according to 40 CFR Part 75.

5.) The Quality Assurance test results conducted according to 40 CFR Part 60, Appendix F or 40 CFR Part 75 and the excess emission reports required by 40 CFR Part 60.7 shall be submitted to the Department. The annual recertification, quarterly accuracy, and daily calibration drift test must be performed in accordance with 40 CFR Part 60, Appendix F or 40 CFR Part 75.

Manufacturer Name/Model Number: TSI
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 32 parts per million by volume (dry, corrected to 15% O₂)
Reference Test Method: 40 CFR Part 60, Appendix B, PS 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 112: Compliance Demonstration
Effective between the dates of 07/02/2012 and 07/01/2017

Applicable State Requirement: 6 NYCRR 227-2.4 (b)

Item 112.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: S-00002 Emission Point: 00002

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

Item 112.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO_x RACT for 7/1/2014 and Beyond – Auxiliary
Boiler

New York State Department of Environmental Conservation

Permit ID: 9-5632-00010/00016

Facility DEC ID: 9563200010



The December 27, 2011 NO_x Reasonably Available Control Technology (RACT) Compliance Plan did not address the auxiliary boiler because it is in long term cold storage. Before the boiler can be operated a NO_x RACT Compliance Plan that defines RACT for the boiler as of July 1, 2014 and beyond must be submitted for approval.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

