

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



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 9-5632-00010/00016  
Effective Date: 08/16/2006 Expiration Date: 08/15/2011

Permit Issued To: INDECK ENERGY SERVICES OF SILVER SPRINGS  
600 NORTH BUFFALO GROVE RD., SUITE 300  
BUFFALO GROVE, IL 60089-1976

Contact: JAMES SCHNEIDER  
INDECK ENERGY SERVICES  
600 NORTH BUFFALO GROVE RD #300  
BUFFALO GROVE, IL 60089-2419  
(847) 520-3212

Facility: INDECK-SILVER SPRINGS COGENERATION  
1 INDECK DRIVE  
SILVER SPRINGS, NY 14550

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

Description:  
Indeck Silver Springs Title V Air Permit (Renewal 1, Modification 0)

The Indeck-Silver Springs Energy Center (Indeck) is a combined cycle co-generation plant that produces electricity and steam. 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). Process steam is provided to Morton Salt, the host facility, and electric power is sold to New York State Electric and Gas, the local utility, upon demand.

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 backup. 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 NO<sub>x</sub> control to the GT, steam to the condensing steam turbine generator, and process steam to Morton Salt. The duct burner is rated at 84.4 mmBtu/hr, and the heat recovery steam turbine is rated at 17.25 MW. Indeck provides 200



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

psig process steam to Morton at a rate varying from 0 to 120,000 lb/hr, averaging 30,000 lb/hr. An extractive Continuous Emission Monitoring System (CEMS) manufactured by TSI is used to measure and record dry undiluted concentrations of oxides of nitrogen (NO<sub>x</sub>), carbon monoxide (CO), and oxygen (O<sub>2</sub>) 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. In this permit, process 100 was incorporated into process 400 because process 400 contained the same stack emission limits. Process 200 was modified to allow the duct burner to operate while the gas turbine fired fuel oil and keeps the existing process 200 stack emission limits. Process 800 was added to allow the co-firing of natural gas and fuel oil. Process 800 emission limits are based on the stack limits in process 200 and 400 weighted based on the heat input from each fuel.

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 can provide the needed steam themselves when Indeck's GT is not operating. However, as of April 2006 Indeck is considering the reactivation of the auxiliary boiler. An extractive CEMS shall be used to measure and record dry undiluted concentrations of NO<sub>x</sub>, CO, O<sub>2</sub> 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 the condensate returns from Morton Salt it contains ammonia which must be stripped out before the water can 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, two fuel oil tanks, a acid tank, a caustic tank, solvent storage room, and natural gas odorizing process.

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 was 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



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

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<sub>x</sub> limit is 54 parts per million (ppm) per hour when firing oil in the gas turbine. This is more stringent than the NO<sub>x</sub> limit in the NSPS for Combustion Gas Turbines, 40 CFR 60 subpart GG 60.332(a)(1), of 98 ppmv (dry, corrected to 15% O<sub>2</sub>) for a four hour rolling average, and the NO<sub>x</sub> Reasonably Available Control Technology (RACT) limit from 6NYCRR Part 227-2.4(e)(2) of 65 ppmv (dry, corrected to 15% O<sub>2</sub>) 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<sub>x</sub> emission limit, so they are not required to monitor the nitrogen content of the fuels combusted.

The PSD permit NO<sub>x</sub> limit is 32 ppm per hour when firing natural gas in the gas turbine. This is more stringent than the NO<sub>x</sub> limit in the NSPS for Combustion Gas Turbines, 40 CFR 60 subpart GG 60.332(a)(1), of 98 ppmv (dry, corrected to 15% O<sub>2</sub>) for a four hour rolling average, and the NO<sub>x</sub> Reasonably Available Control Technology (RACT) limit from 6NYCRR Part 227-2.4(e)(2) of 42 ppmv (dry, corrected to 15% O<sub>2</sub>) 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<sub>x</sub> 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 New Source Performance Standard for Industrial-Commercial-Institutional Steam Generating Units, 40CFR 60 subpart Db, 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<sub>x</sub> 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<sub>x</sub> emission limits on a continuous basis.

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.

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



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

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

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications 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 and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**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:**



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

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 and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 4.1:**

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

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

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(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 14203-2999  
(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 NORTH BUFFALO GROVE RD., SUITE 300  
BUFFALO GROVE, IL 60089-1976

Facility: INDECK-SILVER SPRINGS COGENERATION  
1 INDECK DRIVE  
SILVER SPRINGS, NY 14550

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

Permit Effective Date: 08/16/2006

Permit Expiration Date: 08/15/2011



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 201-6: Emission Unit Definition
- 24 6NYCRR 204-1.6: Compliance Certification
- 25 6NYCRR 204-2.1: Submissions to the Department.
- 26 6NYCRR 204-4.1: Compliance Certification
- 27 6NYCRR 204-8.1: Requirements for installation, certification, and data accounting.
- 28 6NYCRR 204-8.4: Compliance Certification
- 29 6NYCRR 204-8.5: Compliance Certification
- 30 40CFR 52.21(j), Subpart A: Compliance Certification
- 31 40CFR 52.21(j), Subpart A: Compliance Certification
- 32 40CFR 52.21(j), Subpart A: Compliance Certification
- 33 40CFR 72: Facility Subject to Title IV Acid Rain Regulations and Permitting

**Emission Unit Level**

- 34 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 35 6NYCRR 201-6: Process Definition By Emission Unit

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**EU=S-00001**

- 36 6NYCRR 227-1.3(a): Compliance Certification
- 37 6NYCRR 227-2.6(b)(4)(iv): Compliance Certification
- 38 6NYCRR 227-2.6(b)(5): Alternate CEMs requirements.
- 39 40CFR 52.21(j), Subpart A: Compliance Certification
- 40 40CFR 52.21(j), Subpart A: Compliance Certification
- 41 40CFR 52.21(j), Subpart A: Compliance Certification
- 42 40CFR 52.21(j), Subpart A: Compliance Certification
- 43 40CFR 52.21(j), Subpart A: Compliance Certification
- 44 40CFR 52.21(j), Subpart 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 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 55 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 56 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification

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

- 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 52.21(j), Subpart A: Compliance Certification

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

- 61 40CFR 52.21(j), Subpart A: Compliance Certification
- 62 40CFR 52.21(j), Subpart A: Compliance Certification
- 63 40CFR 52.21(j), Subpart A: Compliance Certification
- 64 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 65 40CFR 52.21(j), Subpart A: Compliance Certification
- 66 40CFR 52.21(j), Subpart A: Compliance Certification
- 67 40CFR 52.21(j), Subpart A: Compliance Certification
- 68 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 69 40CFR 52.21(j), Subpart A: Compliance Certification
- 70 40CFR 52.21(j), Subpart A: Compliance Certification
- 71 40CFR 52.21(j), Subpart A: Compliance Certification
- 72 40CFR 52.21(j), Subpart A: Compliance Certification

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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

- 73 40CFR 52.21(j), Subpart A: Compliance Certification
- 74 40CFR 52.21(j), Subpart A: Compliance Certification
- 75 40CFR 52.21(j), Subpart A: Compliance Certification
- 76 40CFR 52.21(j), Subpart A: Compliance Certification

**EU=S-00002**

- 77 40CFR 52.21(j), Subpart A: Compliance Certification
- 78 40CFR 52.21(j), Subpart A: Compliance Certification
- 79 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 80 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 81 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
- 82 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
- 83 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification

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

- 84 40CFR 52.21(j), Subpart A: Compliance Certification
- 85 40CFR 52.21(j), Subpart A: Compliance Certification
- 86 40CFR 52.21(j), Subpart A: Compliance Certification
- 87 40CFR 52.21(j), Subpart A: Compliance Certification
- 88 40CFR 52.21(j), Subpart A: Compliance Certification
- 89 40CFR 52.21(j), Subpart A: Compliance Certification
- 90 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 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
- 97 40CFR 52.21(j), Subpart A: Compliance Certification

**EU=S-00003**

- 98 6NYCRR 212.9: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 99 ECL 19-0301: Contaminant List
- 100 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 101 6NYCRR 211.2: Air pollution prohibited
- 102 6NYCRR 237-1.6(c): Compliance Demonstration
- 103 6NYCRR 237-1.6(e): Recordkeeping and Reporting Requirements
- 104 6NYCRR 237-2: Authorization and responsibilities of the NOx authorized account representative

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



- 105 6NYCRR 237-4.1: Compliance Demonstration
- 106 6NYCRR 237-7.1: Submission of NO<sub>x</sub> allowance transfers
- 107 6NYCRR 237-8: Compliance Demonstration
- 108 6NYCRR 238-1.6(c): Compliance Demonstration
- 109 6NYCRR 238-1.6(e): Record keeping and Reporting Requirements
- 110 6NYCRR 238-2.1: Submissions to the Department
- 111 6NYCRR 238-4.1: Compliance Demonstration
- 112 6NYCRR 238-7.1: Submission of SO<sub>2</sub> allowance transfers
- 113 6NYCRR 238-8: Compliance Demonstration



**FEDERALLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

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

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

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

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

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

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

**Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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

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

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

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

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

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

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

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

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

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



order to maintain compliance with the conditions of this permit.

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

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

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

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

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

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



Act;

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

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

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

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

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

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

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

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

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(7)**

**Item 2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)**

**Item 3.1:**

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

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

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

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)**

**Item 4.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)**

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



(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.

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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 1/30/2007.

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

**Condition 6: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All 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:

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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

The address for the RAPCE is as follows:

270 Michigan Avenue  
Buffalo, NY 14203-2999

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 202-2.1**

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

**Item 7.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:  
Emission statements shall be submitted on or before April  
15th each year for emissions of the previous calendar  
year.

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

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 08/16/2006 and 08/15/2011**



**Applicable Federal Requirement: 6NYCRR 202-2.5**

**Item 8.1:**

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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 9:    Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 9.1:**

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT  
TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

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

**Condition 10:    Maintenance of Equipment**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 10.1:**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 11:    Recycling and Salvage**  
**Effective between the dates of 08/16/2006 and 08/15/2011**



**Applicable Federal Requirement: 6NYCRR 201-1.7**

**Item 11.1:**

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 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-1.8**

**Item 12.1:**

No person shall remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Condition 13: Exempt Sources - Proof of Eligibility**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 13.1:**

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 14: Trivial Sources - Proof of Eligibility**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 14.1:**

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 15: Standard Requirement - Provide Information**



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 15.1:**

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

**Condition 16: General Condition - Right to Inspect**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 16.1:**

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

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

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

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

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

**Condition 17: Standard Requirements - Progress Reports**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 17.1:**

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

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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

**Condition 18: Off Permit Changes**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 18.1:**

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 19: Required Emissions Tests**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 202-1.1**

**Item 19.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 20: Visible Emissions Limited**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 20.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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

**Condition 21: Accidental release provisions.**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 68**

**Item 21.1:**

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

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

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

**Condition 22: Recycling and Emissions Reduction**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 82, Subpart F**

**Item 22.1:**

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 23: Emission Unit Definition**



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 23.1:**

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

**Item 23.2:**

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 23.3:**

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 24: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 204-1.6**

**Item 24.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 24.2:**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Plant Name - Indeck Energy Services of Silver Springs  
ORIS/Facility Code - 050449  
Part 204 NOx Budget Unit - 1

**NITROGEN OXIDES REQUIREMENTS**

(1) This NOx Budget unit shall hold NOx allowances available for compliance deductions under Section 204-6.5, as of the NOx allowance transfer deadline (midnight of November 30th), in the unit's compliance account and the source's overdraft account in an amount not less than the total NOx emissions for the control period (May 1st to September 30th) from the unit, as determined in accordance with Subpart 204-8.

(2) Each ton of nitrogen oxides emitted in excess of the NOx Budget emissions limitation shall constitute a separate violation of this Part, the Act, and applicable State law.

(3) NOx allowances shall be held in, deducted from, or transferred among NOx Allowance Tracking System accounts in accordance with Subparts 204-5, 204-6, and 204-7.

(4) A NOx allowance shall not be deducted, in order to comply with the requirements under paragraph (1), for a control period in a year prior to the year for which the NOx allowance was allocated.

**EXCESS EMISSIONS REQUIREMENTS**

The owners and operators of a NOx Budget unit that has excess emissions in any control period shall:

(1) Forfeit the NOx allowances required for deduction under Paragraph 204-6.5(d)(1); and

(2) Pay any fine, penalty, or assessment or comply with any other remedy imposed under Paragraph 204-6.5(d)(3).

**RECORDKEEPING**

(1) Unless otherwise provided, the owners and operators of the NOx Budget source and each NOx Budget unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5



years, in writing by the Department or the Administrator.

(i) The account certificate of representation for the NOx authorized account representative for the source and each NOx Budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with Section 204-2.4; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new account certificate of representation changing the NOx authorized account representative.

(ii) All emissions monitoring information, in accordance with Subpart 204-8.

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

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

(2) The NOx authorized account representative of a NOx Budget source and each NOx Budget unit at the source shall submit the reports and compliance certifications required under the NOx Budget Trading Program, including those under Subparts 204-4 or 204-8.

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: NOVEMBER 30TH

**Condition 25: Submissions to the Department.**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 204-2.1**

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

**Condition 26: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 204-4.1**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A.) Applicability and deadline - For each control period in which one or more NOx Budget units at a source are subject to the NOx Budget emissions limitation, the NOx authorized account representative of the source shall submit to the Department and the Administrator by November 30 of that year, a compliance certification report for each source covering all such units.

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

- (1) Identification of each NOx Budget unit;
- (2) At the NOx authorized account representative's option, the serial numbers of the NOx allowances that are to be deducted from each unit's compliance account under Section 204-6.5 for the control period; and
- (3) The compliance certification described below.

C.) Compliance certification - In the compliance certification report, the NOx authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NOx Budget units at the source in compliance with the NOx Budget Trading Program, whether each NOx Budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the requirements of the NOx Budget Trading Program applicable to the unit, including those items required by Section 204-4.1(c) below:

- (1) whether the unit was operated in compliance with the NOx budget emissions limitation;

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



(2) whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute NO<sub>x</sub> emissions to the unit, in accordance with Subpart 204-8 of this Part;

(3) whether all the NO<sub>x</sub> emissions from the unit were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 204-8 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 204-8 of this Part of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 204-8 of this Part, if any, has changed; and

(5) if a change is required to be reported under paragraph (4) of this subdivision, 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: CONTINUOUS

Reporting Requirements: NOVEMBER 30TH

**Condition 27: Requirements for installation, certification, and data accounting.**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 204-8.1**

**Item 27.1:** The owner or operator of each NO<sub>x</sub> Budget unit must meet the following requirements. These provisions also apply to a unit for which an application for a NO<sub>x</sub> Budget opt-in permit is submitted and not denied or withdrawn, as provided in Subpart 204-9:

(1) Install all monitoring systems required under this Subpart for monitoring NO<sub>x</sub> mass. This includes all systems required to monitor NO<sub>x</sub> emission rate, NO<sub>x</sub> concentration, heat input, and air or fuel flow, in accordance with 40 CFR 75.71 and 75.72.

(2) Install all monitoring systems for monitoring heat input, if required under Section 204-8.7 for developing NO<sub>x</sub> allowance allocations.



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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

**Condition 28: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 204-8.4**

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Authorized Account Representative for a NO<sub>x</sub> Budget unit shall submit written notice to the Department and the USEPA Administrator in accordance with the requirements of this subpart as follows:

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

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

The address for the USEPA Administrator is as follows:

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

CEM Coordinator



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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

The address for the BQA is as follows:

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

AAR changes should be sent to the attention of:

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

The address for the RAPCE is as follows:

270 Michigan Avenue  
Buffalo, NY 14203-2999

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 29: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 204-8.5**

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The NO<sub>x</sub> authorized account representative shall submit each quarterly report to the department and 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 subpart H of

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



40 CFR part 75 and 40 CFR 75.64.

- For units subject to an Acid Rain Emissions limitation, quarterly reports shall include all of the data and information required in subpart H of 40 CFR part 75 for each NOx budget unit (or group of units using a common stack) as well as information required in subpart G of 40 CFR part 75.

- For units not subject to an acid rain emissions limitation, quarterly reports are only required to include all of the data and information required in subpart H of 40 CFR part 75 for each NOx budget unit (or group of units using a common stack).

**Compliance certification**

The NOx authorized account representative shall submit to the department and the administrator 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 NOx emission controls and for all hours where 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 monitoring plan and the substitute values do not systematically underestimate NOx emissions; and

(iii) for a unit that is reporting on a control period basis under this subdivision the NOx emission rate and NOx 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 NOx emissions.

The NOx authorized account representative shall comply with all recordkeeping and reporting requirements in this section and with the requirements of section 204-2.1(e) of



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

6 NYCRR Part 204.

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 30: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 30.2:**

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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 31: Compliance Certification**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 31.2:**

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)).



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 32: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 32.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 32.2:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 33: Facility Subject to Title IV Acid Rain Regulations and Permitting**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 72**

**Item 33.1:** 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 34: Emission Point Definition By Emission Unit**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 34.1:**

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.): 4727.02    NYTME (km.): 247.729    Building: 1

**Item 34.2:**

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.): 4727.02    NYTME (km.): 247.729    Building: 1

**Item 34.3:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

Emission Unit: S-00003

Emission Point: 00003

Height (ft.): 40

Diameter (in.): 12

NYTMN (km.): 4727.02 NYTME (km.): 247.729 Building: 1

**Condition 35: Process Definition By Emission Unit  
Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 35.1:**

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

Emission Unit: S-00001

Process: 100

Source Classification Code: 2-02-002-03

Process End Date: 8/1/2006

Process Description:

GE frame 6 gas turbine firing on natural gas. No duct firing.

Emission Source/Control: S00GT - Combustion

Design Capacity: 467.28 million Btu per hour

Emission Source/Control: S0STM - Control

Control Type: STEAM INJECTION

**Item 35.2:**

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

Emission Unit: S-00001

Process: 200

Source Classification Code: 2-02-002-03

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 35.3:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



Emission Unit: S-00001

Process: 400

Source Classification Code: 2-02-002-03

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 35.4:**

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

Emission Unit: S-00001

Process: 800

Source Classification Code: 2-02-002-03

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 35.5:**

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

Emission Unit: S-00002

Process: 500

Source Classification Code: 1-01-007-01

Process Description: The auxiliary boiler burning natural gas.

Emission Source/Control: S0AUX - Combustion

Design Capacity: 170 million Btu per hour

**Item 35.6:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

Emission Unit: S-00002

Process: 600

Source Classification Code: 1-01-007-01

Process Description:

The auxiliary boiler burning number 2 distillate oil.

Emission Source/Control: S0AUX - Combustion

Design Capacity: 170 million Btu per hour

**Item 35.7:**

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 to Morton Salt.

Emission Source/Control: S0STP - Process

Design Capacity: 9.9 pounds per hour

**Condition 36: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 36.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

**Item 36.2:**

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).

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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 10/30/2006.

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

**Condition 37: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 227-2.6(b)(4)(iv)**

**Item 37.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Regulated Contaminant(s):

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

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx RACT Reporting

The permittee must tabulate and summarize the



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

applicable emission, monitoring, and operating parameter measurements recorded (including but not limited to the type and amount of fuel burned on a daily basis, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NOx emission rate (ppm), and the allowable NOx emission rate). These records must be submitted within 30 days following the end of each calendar quarter in a format acceptable to the department, and must include the results of accuracy assessments required by 40 CFR Part 60 Appendix F and any additional data quality information required by the department (per 227-2.6(b)(4)(iv) & (iv)(c)).

Monitoring Frequency: QUARTERLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 38: Alternate CEMs requirements.**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 227-2.6(b)(5)**

**Item 38.1:**  
This Condition applies to Emission Unit: S-00001

**Item 38.2:**  
The owner/operator shall measure NOx emissions with a continuous emissions monitoring system which follows the procedures in 40 CFR Part 75.

**Condition 39: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 39.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: S-00001

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

**Item 39.2:**  
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 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 40: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Regulated Contaminant(s):

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

**Item 40.2:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



- 1.) Oxides of nitrogen (NOx) 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 41: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 41.2:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 1/30/2007.

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

**Condition 42: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 42.1:**



The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Regulated Contaminant(s):

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

**Item 42.2:**

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 NO<sub>x</sub> formation. During shutdown there may also be limited steam available for steam injection to control NO<sub>x</sub>.

- 1.) Firing natural gas, the combustion gas turbine shall not emit more than 201 pounds of NO<sub>x</sub> 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.



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 1/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 43: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

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

**Item 43.2:**

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.



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 44: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 44.2:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 45: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 0NY075-00-5 PM-10

**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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

- 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 46: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**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:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

DUCT BURNER STACK TESTING REQUIRED AT THE REQUEST OF THE DEPARTMENT

- 1.) Oxides of nitrogen (NO<sub>x</sub>) 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

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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 47: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 0NY075-00-0 PARTICULATES

**Item 47.2:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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 48: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

**Item 48.2:**

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.

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 49: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 0NY210-00-0 OXIDES OF NITROGEN

**Item 49.2:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 1/30/2007.

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

**Condition 50: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: INTERMITTENT EMISSION TESTING

Monitoring Description:

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**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 51: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 0NY075-00-0 PARTICULATES

**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.) Particulate emissions from the duct burner while



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 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 52: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

**Item 52.2:**

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 NO<sub>x</sub> 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.



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 53: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

**Item 53.2:**

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)



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

Reports due 30 days after the reporting period.  
The initial report is due 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 54: Applicability of General Provisions of 40 CFR 60 Subpart A  
Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 54.1:**

This Condition applies to Emission Unit: S-00001

**Item 54.2:**

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 55: EPA Region 2 address.  
Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A**

**Item 55.1:**

This Condition applies to Emission Unit: S-00001

**Item 55.2:**

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 56: Compliance Certification  
Effective between the dates of 08/16/2006 and 08/15/2011**



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00001

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

DUCT BURNER

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 1/30/2007.

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

**Condition 57: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 57.1:**

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 57.2:**

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<sub>x</sub>) shall not exceed an hourly average of 54 ppmv (dry, corrected to 15%



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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  
Upper Permit Limit: 54 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)  
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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 58: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 58.1:**

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 58.2:**

Compliance Certification shall include the following monitoring:

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

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**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<sub>x</sub>) shall not exceed the values from the attached performance curves (Figure # 2) under full load for the corresponding combustion air inlet temperature. The NO<sub>x</sub> limit of 99.0 lb/hr corresponds to an inlet air temperature of 47.5 degrees F. These limits were established to comply with Prevention of Significant Deterioration (PSD) BACT requirements, and This limit 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 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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 59: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 59.1:**

The Compliance Certification activity will be performed for:

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

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 59.2:**

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.
- 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 10/30/2006.

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

**Condition 60: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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

**Item 60.1:**

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 60.2:**

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% O<sub>2</sub>). 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 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% O<sub>2</sub>)

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.



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

The initial report is due 10/30/2006.

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

**Condition 61: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 61.1:**

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 61.2:**

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

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 62: Compliance Certification**



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 62.1:**

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 62.2:**

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 63: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 63.1:**



**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    Emission Point: 00001  
Process: 200                Emission Source: S00GT

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

**Item 63.2:**

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 64: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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                Emission Source: S00GT



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

Regulated Contaminant(s):

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

**Item 64.2:**

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 65: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 400

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 65.2:**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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 10/30/2006.

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

**Condition 66: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 66.1:**

The Compliance Certification activity will be performed for:

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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

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 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 NO<sub>x</sub> 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% O<sub>2</sub>)

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 10/30/2006.

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

**Condition 67: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 400

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

**Item 67.2:**

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 oxides of nitrogen (NO<sub>x</sub>) 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 NO<sub>x</sub> 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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 68: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 400

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

**Item 68.2:**

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<sub>x</sub>) 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<sub>x</sub> 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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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% O<sub>2</sub>)  
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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 69: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 400                      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:

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 70: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 400                      Emission Source: S00GT

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

**Item 70.2:**

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.

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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 71: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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                      Emission Source: S00GT

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

**Item 71.2:**

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.
- 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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 72: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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    Emission Source: S00GT

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

**Item 72.2:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 73: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 800

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

**Item 73.2:**

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 (NOx) limit in pounds per hour

Eng is the natural gas NOx 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 NOx 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,



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 10/30/2006.

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

**Condition 74: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 800

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 74.2:**

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.

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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

$E_{ng}$  is the natural gas CO limit from the PSD conditions, 52.0 lb/hr\*

$H_{ng}$  is the heat input from natural gas during the hour, calculated using the higher heating value of the most recent natural gas analysis

$E_o$  is the fuel oil CO limit from the PSD conditions, 40.0 lb/hr\*

$H_o$  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 10/30/2006.

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

**Condition 75: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 75.1:**

**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    Emission Point: 00001  
Process: 800

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

**Item 75.2:**

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<sub>x</sub>) limit in parts per million by volume

Eng is the natural gas NO<sub>x</sub> 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<sub>x</sub> 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% O<sub>2</sub>)



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 76: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 800

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

**Item 76.2:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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% O<sub>2</sub>)

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 10/30/2006.

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

**Condition 77: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 77.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00002

**Item 77.2:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



condition.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 78: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 78.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00002

Regulated Contaminant(s):

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

**Item 78.2:**

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 or DISTILLATE OIL #2

1.) Emissions of oxides of nitrogen (NO<sub>x</sub>) 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.



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 79: Applicability of General Provisions of 40 CFR 60 Subpart A  
Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 79.1:**

This Condition applies to Emission Unit: S-00002

**Item 79.2:**

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 80: EPA Region 2 address.  
Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A**

**Item 80.1:**

This Condition applies to Emission Unit: S-00002

**Item 80.2:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



Albany, NY 12233-3258

**Condition 81: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 81.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 81.2:**

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 meet 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))

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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 1/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 82: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

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

Emission Unit: S-00002

**Item 82.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

Monitoring Frequency: DAILY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 83: Compliance Certification**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00002

Regulated Contaminant(s):

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

**Item 83.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO<sub>2</sub>) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the 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.



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

- 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 1/30/2007.

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

**Condition 84: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 84.1:**

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 84.2:**

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 boiler while firing natural gas shall not exceed 0.042 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.



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

- 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: 0.042 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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 85: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 85.1:**

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 85.2:**

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 from auxiliary boiler while firing natural gas shall not exceed 7.2 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 emissions shall be monitored by a continuous monitoring system (CEMS) meeting Performance Specification 4 or 4A in 40 CFR 60 Appendix B.

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



- 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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 86: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 86.1:**

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 86.2:**

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.



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

- 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 87: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 87.1:**

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 87.2:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 88: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 88.1:**

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 88.2:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 89: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 89.1:**

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 89.2:**

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 90: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**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: 0NY210-00-0    OXIDES OF NITROGEN

**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 oxides of nitrogen (NO<sub>x</sub>) 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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 91: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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

**Item 91.1:**

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 91.2:**

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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 92: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**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: 600

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

**Item 92.2:**

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 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 10/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 93: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**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: 600

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  
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

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 94: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 94.1:**

The Compliance Certification activity will be performed for:

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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

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  
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 95: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 600



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

Regulated Contaminant(s):

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

**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  
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 96: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 96.1:**

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 96.2:**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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<sub>x</sub>) 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 10/30/2006.

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

**Condition 97: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**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: 0NY075-00-0 PARTICULATES

**Item 97.2:**

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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 98: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 212.9**

**Item 98.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-00003

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

**Item 98.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions shall be monitored from the stripping

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



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 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 10/30/2006.  
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 99: Contaminant List**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: ECL 19-0301**

**Item 99.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Condition 100: Unavoidable noncompliance and violations**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 201-1.4**

Item 100.1:

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

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 101: Air pollution prohibited**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 101.1:**

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 102: Compliance Demonstration**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 102.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 102.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**Monitoring Description:**

The owners and operators of each NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall hold NO<sub>x</sub> allowances available for compliance deductions under NYCRR 237-6.5, as of the NO<sub>x</sub> allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NO<sub>x</sub> emissions for the control period from the unit, as determined in accordance with NYCRR 237-8.

Each ton of NO<sub>x</sub> emitted in excess of the NO<sub>x</sub> budget emissions limitation shall constitute a separate violation of applicable State law.

A NO<sub>x</sub> budget unit shall be subject to the requirements under NYCRR 237-1.6(c)(1) starting when the unit commences operation.

NO<sub>x</sub> allowances shall be held in, deducted from, or transferred among NO<sub>x</sub> Allowance Tracking System accounts in accordance with NYCRR 237-5, 237-6, 237-7, and 237-9.

Except for future control period NO<sub>x</sub> allowances which may be deducted pursuant to NYCRR 237-6.5(f), a NO<sub>x</sub> allowance shall not be deducted, in order to comply with the requirements under NYCRR 237-1.6(c)(1), for a control period in a year prior to the year for which the NO<sub>x</sub> allowance was allocated.

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

A NO<sub>x</sub> allowance allocated by the department under the ADR NO<sub>x</sub> Budget Trading Program does not constitute a property right.

The owners and operators of a NO<sub>x</sub> budget unit that has excess emissions in any control period shall: Forfeit the NO<sub>x</sub> allowances required for deduction under NYCRR 237-6.5(d)(1); and pay any fine, penalty, or assessment



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

or comply with any other remedy imposed under NYCRR  
237-6.5(d)(3).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 103: Recordkeeping and Reporting Requirements**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 237-1.6(e)**

**Item 103.1:**

Unless otherwise provided, the owners and operators of the NOx budget source and each NOx budget unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the department:

- 1) The account certificate of representation for the NOx authorized account representative for the source and each NOx budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with NYCRR 237-2.4; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new account certificate of representation changing the NOx authorized account representative.
- 2) All emissions monitoring information, in accordance with NYCRR 237-8.
- 3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ADR NOx Budget Trading Program.
- 4) Copies of all documents used to complete a NOx budget permit application and any other submission under the ADR NOx Budget Trading Program or to demonstrate compliance with the requirements of the ADR NOx Budget Trading Program.

The NOx authorized account representative of a NOx budget source and each NOx budget unit at the source shall submit the reports and compliance certifications required under the ADR NOx Budget Trading Program, including those under NYCRR 237-4, 237-8, or 237-9.

**Condition 104: Authorization and responsibilities of the NOx authorized  
account representative**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 237-2**

**Item 104.1:**

Except as provided under NYCRR 237-2.2, each NOx budget source, including all NOx budget units



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

at the source, shall have one and only one NO<sub>x</sub> authorized account representative, with regard to all matters under the Acid Deposition Reduction (ADR) NO<sub>x</sub> Budget Trading Program concerning the source or any NO<sub>x</sub> budget unit at the source.

The NO<sub>x</sub> authorized account representative of the NO<sub>x</sub> budget source shall be selected by an agreement binding on the owners and operators of the source and all NO<sub>x</sub> budget units at the source.

Upon receipt by the department or its agent of a complete account certificate of representation under NYCRR 237-2.4, the NO<sub>x</sub> authorized account representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the NO<sub>x</sub> budget source represented and each NO<sub>x</sub> budget unit at the source in all matters pertaining to the ADR NO<sub>x</sub> Budget Trading Program, notwithstanding any agreement between the NO<sub>x</sub> authorized account representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the NO<sub>x</sub> authorized account representative by the department or a court regarding the source or unit.

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

Each submission under the ADR NO<sub>x</sub> Budget Trading Program shall be submitted, signed, and certified by the NO<sub>x</sub> authorized account representative for each NO<sub>x</sub> budget source on behalf of which the submission is made. Each such submission shall include the following certification statement by the NO<sub>x</sub> authorized account representative: "I am authorized to make this submission on behalf of the owners and operators of the NO<sub>x</sub> budget sources or NO<sub>x</sub> budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

The department or its agent will accept or act on a submission made on behalf of owners or operators of a NO<sub>x</sub> budget source or a NO<sub>x</sub> budget unit only if the submission has been made, signed, and certified in accordance with NYCRR 237-2.1(e)(1).

**Condition 105: Compliance Demonstration**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 237-4.1**

**Item 105.1:**

The Compliance Demonstration activity will be performed for the Facility.

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**Item 105.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each control period in which one or more NO<sub>x</sub> budget units at a source are subject to the NO<sub>x</sub> budget emissions limitation, the NO<sub>x</sub> authorized account representative of the source shall submit to the department by the September 30 following the relevant control period, a compliance certification report for each source covering all such units.

The NO<sub>x</sub> authorized account representative shall include in the compliance certification report the following elements, in a format prescribed by the department, concerning each unit at the source and subject to the NO<sub>x</sub> budget emissions limitation for the control period covered by the report:

- (1) identification of each NO<sub>x</sub> budget unit;
- (2) except in instances when the NO<sub>x</sub> budget unit seeks to use future control period NO<sub>x</sub> allowances which may be deducted pursuant to NYCRR 237-6.5(f), at the NO<sub>x</sub> authorized account representative's option, the serial numbers of the NO<sub>x</sub> allowances that are to be deducted from each unit's compliance account under NYCRR 237-6.5 for the control period;
- (3) at the NO<sub>x</sub> authorized account representative's option, for units sharing a common stack and having NO<sub>x</sub> emissions that are not monitored separately or apportioned in accordance with NYCRR 237-8, the percentage of NO<sub>x</sub> allowances that is to be deducted from each unit's compliance account under NYCRR 237-6.5(e);
- (4) for units using future control period allowances for compliance purposes pursuant to NYCRR 237-6.5(f), the statement of intent and report required under NYCRR 237-6.5(f)(2); and
- (5) the compliance certification under NYCRR 237-4(c).

In the compliance certification report the NO<sub>x</sub> authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



operating the source and the NOx budget units at the source in compliance with the Acid Deposition Reduction (ADR) NOx Budget Trading Program, whether each NOx budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the requirements of the ADR NOx Budget Trading Program applicable to the unit, including:

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

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

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

(d) whether the facts that form the basis for certification under NYCRR 237-8 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under NYCRR 237-8, if any, has changed; and

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEPTEMBER 30

**Condition 106: Submission of NOx allowance transfers**



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 237-7.1**

**Item 106.1:**

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

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

**Condition 107: Compliance Demonstration**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 237-8**

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

For any NOx budget unit which is also a NOx budget unit under Part 204 of this title, prior or contemporaneous timely submissions in compliance with the requirements of Subpart 204-8 may, when appropriate, be summarily

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



referenced by the owners and operators of the NOx budget unit in order to demonstrate compliance with the requirements of this Subpart:

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEPTEMBER 30

**Condition 108: Compliance Demonstration**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 238-1.6(c)**

**Item 108.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 108.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of each SO<sub>2</sub> budget source and each SO<sub>2</sub> budget unit at the source shall hold SO<sub>2</sub> allowances available for compliance deductions under NYCRR 238-6.5, as of the SO<sub>2</sub> allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total SO<sub>2</sub> emissions for the control period from the unit, as determined in accordance with NYCRR 238-8.

Each ton of sulfur dioxide emitted in excess of the SO<sub>2</sub> budget emissions limitation shall constitute a separate violation of this Part, the Act, and applicable State law.

An SO<sub>2</sub> budget unit shall be subject to the requirements under NYCRR 1.6 (c)(1) on the date on which the unit commences operation.

SO<sub>2</sub> allowances shall be held in, deducted from, or transferred among SO<sub>2</sub> Allowance Tracking System accounts in accordance with NYCRR 238-5, 238-6, and 238-7.

Except for future control period SO<sub>2</sub> allowances which may be deducted pursuant to NYCRR 238-6.5(f), an SO<sub>2</sub> allowance



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

shall not be deducted, in order to comply with the requirements under NYCRR 238-1.6(c)(1) for a control period in a year prior to the year for which the SO<sub>2</sub> allowance was allocated.

An SO<sub>2</sub> allowance allocated by the department under the ADR SO<sub>2</sub> budget Trading Program is a limited authorization to emit one ton of sulfur dioxide in accordance with the Acid Deposition Reduction (ADR) SO<sub>2</sub> Budget Trading Program. No provision of the ADR SO<sub>2</sub> Budget Trading Program, the SO<sub>2</sub> budget permit application, or the SO<sub>2</sub> budget permit or any provision of law shall be construed to limit the authority of the United States or the State to terminate or limit such authorization.

An SO<sub>2</sub> allowance allocated by the department under the ADR SO<sub>2</sub> Budget Trading Program does not constitute a property right.

The owners and operators of an SO<sub>2</sub> budget unit that has excess emissions in any control period shall: Forfeit the SO<sub>2</sub> allowances required for deduction under NYCRR 238-6.5(d)(1); and Pay any fine, penalty, or assessment or comply with any other remedy imposed under NYCRR 238-6.5(d)(3).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 109: Record keeping and Reporting Requirements**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 238-1.6(e)**

**Item 109.1:**

Unless otherwise provided, the owners and operators of the SO<sub>2</sub> budget source and each SO<sub>2</sub> budget unit at the source shall keep on site or at a site approved by the Department each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the department.

The account certificate of representation for the SO<sub>2</sub> authorized account representative for the source and each SO<sub>2</sub> budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with NYCRR 238-2.4; provided that the certificate



**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**

and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new account certificate of representation changing the SO2 authorized account representative;

All emissions monitoring information, in accordance with NYCRR 238-8;

Copies of all reports, compliance certifications, and other submissions and all records made or required under the ADR SO2 Budget Trading Program;

Copies of all documents used to complete an SO2 budget permit application and any other submission under the ADR SO2 Budget Trading Program or to demonstrate compliance with the requirements of the ADR SO2 Budget Trading Program;

The SO2 authorized account representative of an SO2 budget source and each SO2 budget unit at the source shall submit the reports and compliance certifications required under the ADR SO2 Budget Trading Program, including those under NYCRR 238-4, or 238-8.

**Condition 110: Submissions to the Department**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 238-2.1**

**Item 110.1:**

Each submission under the Acid Deposition Reduction (ADR) SO2 Budget Trading Program shall be submitted, signed, and certified by the SO2 authorized account representative for each SO2 budget source on behalf of which the submission is made. Each such submission shall include the following certification statement by the SO2 authorized account representative:

"I am authorized to make this submission on behalf of the owners and operators of the SO2 budget sources or SO2 budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

**Condition 111: Compliance Demonstration**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 238-4.1**

**Item 111.1:**

The Compliance Demonstration activity will be performed for the Facility.

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



**Item 111.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each control period in which one or more SO<sub>2</sub> budget units at a source are subject to the SO<sub>2</sub> budget emissions limitation, the SO<sub>2</sub> authorized account representative of the source shall submit to the Department by the March 1 following the relevant control period, a compliance certification report for each source covering all such units; as per NYCRR 238-4.

The SO<sub>2</sub> authorized account representative shall include in the compliance certification the following elements, in a format prescribed by the department, concerning each unit at the source and subject to the SO<sub>2</sub> budget emissions limitation for the control period covered by the report:

- (1) identification of each SO<sub>2</sub> budget unit;
- (2) except in instances when the SO<sub>2</sub> budget unit seeks to use future control period SO<sub>2</sub> allowances which may be deducted pursuant to NYCRR 238-6.5(f), at the SO<sub>2</sub> authorized account representative's option, the serial numbers of the SO<sub>2</sub> allowances that are to be deducted from each unit's compliance account under NYCRR 238-6.5 for the control period;
- (3) at the SO<sub>2</sub> authorized account representative's option, for units sharing a common stack and having SO<sub>2</sub> emissions that are not monitored separately or apportioned in accordance with NYCRR 238-8, the percentage of SO<sub>2</sub> allowances that is to be deducted from each unit's compliance account under NYCRR 238-6.5(e);
- (4) for units using future control period allowances for compliance purposes pursuant to NYCRR 238-6.5(f), the statement of intent and report required under NYCRR 238-6.5(f)(2); and
- (5) the compliance certification under NYCRR 238-4.1(c).

In the compliance certification report, the SO<sub>2</sub> authorized account representative shall certify, based on reasonable

**New York State Department of Environmental Conservation**

**Permit ID: 9-5632-00010/00016**

**Facility DEC ID: 9563200010**



inquiry of those persons with primary responsibility for operating the source and the SO<sub>2</sub> budget units at the source in compliance with the ADR SO<sub>2</sub> Budget Trading Program, whether each SO<sub>2</sub> budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the requirements of the ADR SO<sub>2</sub> Budget Trading Program applicable to the unit, including:

(a) whether the unit was operated in compliance with the SO<sub>2</sub> budget emissions limitation;

(b) whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute SO<sub>2</sub> emissions to the unit, in accordance with Subpart 238-8;

(c) whether all the SO<sub>2</sub> emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 238-8. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

(d) whether the facts that form the basis for certification under Subpart 238-8 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 238-8, if any, has changed; and

(e) if a change is required to be reported under (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: MARCH 1

**Condition 112: Submission of SO2 allowance transfers**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 238-7.1**

**Item 112.1:**

The SO2 authorized account representatives seeking recordation of an SO2 allowance transfer shall submit the transfer to the department or its agent. To be considered correctly submitted, the SO2 allowance transfer shall include the following elements in a format specified by the department or its agent:

- (a) the numbers identifying both the transferor and transferee accounts;
- (b) a specification by serial number of each SO2 allowance to be transferred; and
- (c) the printed name and signature of the SO2 authorized account representative of the transferor account and the date signed.

**Condition 113: Compliance Demonstration**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 238-8**

**Item 113.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 113.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators, and to the extent applicable, the SO2 authorized account representative of an SO2 budget unit, shall comply with the monitoring and reporting requirements as provided for in all applicable sections of 40 CFR part 75. For purposes of complying with such requirements, the definitions in NYCRR 238-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," and "designated representative" in 40 CFR part 75 shall be replaced by the terms "SO2 budget unit," and "SO2 authorized account representative," respectively, as defined in NYCRR 238-1.2.



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 10/30/2006.

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