



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-2926-00016/00036
Effective Date: 04/13/2016 Expiration Date: 04/12/2021

Permit Issued To: LOCKPORT ENERGY ASSOCIATES LP
5087 JUNCTION RD
LOCKPORT, NY 14094

FCI LOCKPORT GP INC
5087 JUNCTION RD
LOCKPORT, NY 14094

Contact: LEWIS L STALEY
LOCKPORT ENERGY ASSOC LP
5087 JUNCTION RD
LOCKPORT, NY 14094

Facility: LOCKPORT COGENERATION FACILITY
5087 JUNCTION RD
LOCKPORT, NY 14094

Description:

This is an Air Title V permit renewal for the Lockport Cogeneration Facility in Lockport, New York, which cogenerates steam that is sold to a nearby steam host and electricity which is sold to an electric utility. The facility is designed to generate a nominal 198 megawatts (MW) of electricity while providing up to 315,800 pounds per hour (lb/hr) of process steam. The facility operates three combined cycle gas turbines, an auxiliary boiler, and three starting diesel engines used for starting the gas turbines. Several exempt and trivial emission sources are also located at this facility.

This facility is an existing major source under the Prevention of Significant Deterioration (PSD) program. In addition, the facility's three gas turbines are subject to New Source Performance Standards (NSPS) Subpart GG, and the three duct burners and one auxiliary boiler are subject to NSPS Subpart Db.

The facility's NO_x RACT Plan submitted under 6 NYCRR Subpart 227-2 was approved. The gas turbines will continue to comply with the existing presumptive RACT emission limits without additional control technologies. An alternative NO_x RACT limit of 9 g/bhp-hr was approved for the three diesel starting engines.



This permit transitions from prior acid rain/NOx Budget programs to the federal Cross-State Air Pollution Rule (CSAPR). The Title V Permit has been updated to remove various New York State acid rain/NOx Budget regulations which have been repealed since the last permit renewal was issued (6 NYCRR Parts 204 and 237). Citations for CSAPR, 40 CFR 97, have been added.

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 14203-2915

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

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



DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.3:

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

Condition 4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:



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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: LOCKPORT ENERGY ASSOCIATES LP
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5087 JUNCTION RD
LOCKPORT, NY 14094

Facility: LOCKPORT COGENERATION FACILITY
5087 JUNCTION RD
LOCKPORT, NY 14094

Authorized Activity By Standard Industrial Classification Code:
4931 - ELEC & OTHER SERVICES COMBINED
4961 - STEAM SUPPLY

Permit Effective Date: 04/13/2016

Permit Expiration Date: 04/12/2021



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 211.1: Air pollution prohibited
- 24 6 NYCRR 225-1.2 (g): Compliance Certification
- 25 6 NYCRR 225-1.2 (h): Compliance Certification
- 26 40CFR 52.21, Subpart A: Compliance Certification
- 27 40CFR 52.21, Subpart A: Compliance Certification
- 28 40CFR 52.21, Subpart A: Compliance Certification
- 29 40CFR 60.8, NSPS Subpart A: Performance tests
- 30 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 31 40CFR 60.14, NSPS Subpart A: Modifications.
- 32 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting
- 33 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 34 40CFR 97.506, Subpart BBBBB: Compliance Certification
- 35 40CFR 97.606, Subpart CCCCC: Compliance Certification

Emission Unit Level

- 36 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 37 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00002

- 38 6 NYCRR Subpart 201-6: Compliance Certification
- 39 6 NYCRR 227-1.3: Compliance Certification



- 40 40CFR 52.21, Subpart A: Compliance Certification
- 41 40CFR 52.21, Subpart A: Compliance Certification
- 42 40CFR 52.21, Subpart A: Compliance Certification
- 43 40CFR 52.21, Subpart A: Compliance Certification
- 44 40CFR 60.12, NSPS Subpart A: Circumvention.
- 45 40CFR 60.44b(k), NSPS Subpart Db: Oxides of nitrogen standard exemption.
- 46 40CFR 60.48b, NSPS Subpart Db: Compliance Certification

EU=U-00002,Proc=110

- 47 40CFR 52.21, Subpart A: Compliance Certification
- 48 40CFR 60.47b(f), NSPS Subpart Db: Alternative sulfur dioxide monitoring method.

EU=U-00002,Proc=111

- 49 40CFR 52.21, Subpart A: Compliance Certification

EU=U-00003

- 50 6 NYCRR 227-1.3: Compliance Certification
- 51 6 NYCRR 227-2.5 (c): Compliance Certification
- 52 40CFR 52.21, Subpart A: Compliance Certification
- 53 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-3GTDB

- 54 40CFR 52.21, Subpart A: Compliance Certification
- 55 40CFR 52.21, Subpart A: Compliance Certification
- 56 40CFR 52.21, Subpart A: Compliance Certification
- 57 40CFR 52.21, Subpart A: Compliance Certification
- 58 40CFR 52.21, Subpart A: Compliance Certification
- 59 40CFR 52.21, Subpart A: Compliance Certification
- 60 40CFR 52.21, Subpart A: Compliance Certification
- 61 40CFR 52.21, Subpart A: Compliance Certification
- 62 40CFR 52.21, Subpart A: Compliance Certification
- 63 40CFR 52.21, Subpart A: Compliance Certification
- 64 40CFR 52.21, Subpart A: Compliance Certification
- 65 40CFR 60.12, NSPS Subpart A: Circumvention.
- 66 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 67 40CFR 60.334, NSPS Subpart GG: Compliance Certification

EU=U-3GTDB,Proc=DCT

- 68 40CFR 52.21, Subpart A: Compliance Certification
- 69 40CFR 52.21, Subpart A: Compliance Certification

EU=U-3GTDB,Proc=GT1

- 70 40CFR 52.21, Subpart A: Compliance Certification
- 71 40CFR 52.21, Subpart A: Compliance Certification

EU=U-3GTDB,Proc=GT3

- 72 40CFR 52.21, Subpart A: Compliance Certification
- 73 40CFR 52.21, Subpart A: Compliance Certification

EU=U-3GTDB,Proc=GT6

- 74 40CFR 52.21, Subpart A: Compliance Certification



75 40CFR 52.21, Subpart A: Compliance Certification

EU=U-3GTDB,Proc=GT8

76 40CFR 52.21, Subpart A: Compliance Certification

77 40CFR 52.21, Subpart A: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

78 ECL 19-0301: Contaminant List

79 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



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

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

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

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



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

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

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)



Item 3.1:

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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 04/13/2016 and 04/12/2021**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 5: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill



Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

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

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 9 Headquarters
270 Michigan Avenue
Buffalo, NY 14203-2915

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.



Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements
Effective between the dates of 04/13/2016 and 04/12/2021**

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 9: Open Fires - Prohibitions
Effective between the dates of 04/13/2016 and 04/12/2021**

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.

(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.



- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

**Condition 10: Maintenance of Equipment
Effective between the dates of 04/13/2016 and 04/12/2021**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and



procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 04/13/2016 and 04/12/2021

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

Item 13.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 04/13/2016 and 04/12/2021

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

Item 14.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 15: Requirement to Provide Information
Effective between the dates of 04/13/2016 and 04/12/2021

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



Item 20.1:

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

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

Condition 21: Emission Unit Definition
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: U-00002

Emission Unit Description:

Auxiliary standby boiler.

Building(s): GENBLDG

Item 21.2:

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

Emission Unit: U-00003

Emission Unit Description:

Three starting diesel engines for the combustion turbines. Each engine (@ 4.26 MMBtu/hr) is limited to 475 hours of operation per year. These units do not have any federally enforceable or state-only pollutant emission limits.

Building(s): GENBLDG

Item 21.3:

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

Emission Unit: U-3GTDB

Emission Unit Description:

This emission unit consists of three (3) identical combined cycle combustion turbines. Each combustion turbine (designed for 45 MW @ 47 degrees F and 531 MMBtu/hr heat input @ 47 degrees F) is equipped with a steam injection system for control of NOx emissions. Each combustion turbine has an individual heat recovery steam generator (HRSG) exhaust stack and an HRSG bypass stack. Flue gas generated by each combustion turbine is exhausted to the atmosphere through either the operating combustion turbines HRSG bypass stack (bypass mode) or the operating turbine's HRSG stack (combined cycle mode). While operating in combined cycle mode, the duct burners (each @



110 MMBtu/hr heat input design capacity) may be operated to heat the combustion turbines exhaust gas before it enters the HRSG.

Building(s): GENBLDG
HRSGBLD1
HRSGBLD2
HRSGBLD3
YARD

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 04/13/2016 and 04/12/2021

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

Item 22.1:

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

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

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

Condition 23: Air pollution prohibited
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR 211.1

Item 23.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 24: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR 225-1.2 (g)

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. Compliance with this limit will be based on vendor certifications.

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

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

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



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

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

Condition 26: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility shall be accessible to NYSDEC personnel for routine inspections during reasonable business hours and at any time if there is cause to believe that the facility is not in compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 27: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



A summary of emission limits and operating restrictions of this permit must be posted in the control room of this facility and be plainly visible to the facility operator.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 28: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

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:

Ambient air temperature at the facility must be continuously measured and recorded within an accuracy of +/- 1 degrees F.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 29: Performance tests
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 60.8, NSPS Subpart A

Item 29.1:

This facility is subject to the provisions of this Part.

Condition 30: Opacity standard compliance testing.
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 30.1:

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.



Condition 31: Modifications.

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 31.1:

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

Condition 32: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40 CFR Part 72

Item 32.1: 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.

Condition 33: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.413 through 97.418 of Subpart AAAAA. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR NOX Annual source (facility) and each TR NOx Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems;



requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR NOx Annual allowances and to determine compliance with the TR NOx Annual emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOx Annual facility and each TR NOx Annual Unit at the facility shall hold, in the facilities compliance account, TR NOx Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 34: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 97.506, Subpart BBBBB

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.513 through 97.518 of Subpart BBBBB. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the



representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR NOx Ozone Season source (facility) and each TR NOx Ozone Season Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.530 through 97.535 of Subpart BBBBB and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR NOx Ozone Season allowances and to determine compliance with the TR NOx Ozone Season emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOx Ozone Season facility and each TR NOx Ozone Season Unit at the facility shall hold, in the facilities compliance account, TR NOx Ozone Season allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 35: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 35.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.613 through 97.618 of Subpart CCCCC. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR SO₂ Group 1 source (facility) and each TR SO₂ Group 1 Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635 of Subpart CCCCC and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR SO₂ Group 1 allowances and to determine compliance with the TR SO₂ Group 1 emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO₂ Group 1 facility and each TR SO₂ Group 1 Unit at the facility shall hold, in the facilities' compliance account, TR SO₂ Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO₂ emissions for such control period from all TR SO₂ Group 1 Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**** Emission Unit Level ****

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Condition 36: Emission Point Definition By Emission Unit
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 36.1:

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

Emission Unit: U-00002

Emission Point: 00007

Height (ft.): 135 Diameter (in.): 48
NYTMN (km.): 4785.605 NYTME (km.): 195.571 Building: GENBLDG

Item 36.2:

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

Emission Unit: U-00003

Emission Point: 00008

Height (ft.): 8 Diameter (in.): 8
NYTMN (km.): 4785.602 NYTME (km.): 195.539 Building: GENBLDG

Emission Point: 00009

Height (ft.): 8 Diameter (in.): 8
NYTMN (km.): 4785.599 NYTME (km.): 195.518 Building: GENBLDG

Emission Point: 00010

Height (ft.): 8 Diameter (in.): 8
NYTMN (km.): 4785.598 NYTME (km.): 195.503 Building: GENBLDG

Item 36.3:

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

Emission Unit: U-3GTDB

Emission Point: 00001

Height (ft.): 130 Diameter (in.): 114
NYTMN (km.): 4785.667 NYTME (km.): 195.517 Building: HRSGBLD1

Emission Point: 00002

Height (ft.): 130 Diameter (in.): 114
NYTMN (km.): 4785.667 NYTME (km.): 195.496 Building: HRSGBLD2

Emission Point: 00003

Height (ft.): 130 Diameter (in.): 114
NYTMN (km.): 4785.664 NYTME (km.): 195.474 Building: HRSGBLD3

Emission Point: 00004

Height (ft.): 100 Diameter (in.): 156
NYTMN (km.): 4785.637 NYTME (km.): 195.525 Building: GENBLDG

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Emission Point: 00005
Height (ft.): 100 Diameter (in.): 156
NYTMN (km.): 4785.635 NYTME (km.): 195.502 Building: GENBLDG

Emission Point: 00006
Height (ft.): 100 Diameter (in.): 156
NYTMN (km.): 4785.634 NYTME (km.): 195.482 Building: GENBLDG

Condition 37: Process Definition By Emission Unit
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 37.1:

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

Emission Unit: U-00002
Process: 110 Source Classification Code: 1-02-005-01
Process Description: No. 2 fuel oil combustion in auxiliary boiler.

Emission Source/Control: AUXBL - Combustion
Design Capacity: 209.1 million Btu per hour

Item 37.2:

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

Emission Unit: U-00002
Process: 111 Source Classification Code: 1-02-006-01
Process Description: Natural gas combustion in auxiliary boiler.

Emission Source/Control: AUXBL - Combustion
Design Capacity: 209.1 million Btu per hour

Item 37.3:

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

Emission Unit: U-00003
Process: 112 Source Classification Code: 2-02-001-01
Process Description:

Distillate oil combustion in three (3) starting diesel engines.

Emission Source/Control: STDSL - Combustion
Design Capacity: 4.26 million Btu per hour

Item 37.4:

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

Emission Unit: U-3GTDB
Process: DCT Source Classification Code: 1-02-006-02
Process Description: Natural gas combustion in duct burner.



Natural gas combustion in combustion turbine with operation of duct burner at partial load.

Emission Source/Control: DCTBN - Combustion
Design Capacity: 110 million Btu per hour

Emission Source/Control: GASTB - Combustion
Design Capacity: 45 megawatt

Condition 38: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The auxiliary boiler will be limited to a combined total of natural gas and No. 2 fuel oil usage not to exceed 183,960 million Btu per year. The owner/operator shall install, calibrate, maintain and operate fuel-flow meters to measure the natural gas and No. 2 fuel oil usage. The owner/operator shall maintain a log that documents the natural gas and No. 2 fuel oil usage. This log shall be kept on site and the records contained therein shall be maintained for a minimum of five years.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 183960 million British thermal units per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 39: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 39.1:



The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - date and time of day
 - observer's name
 - identity of emission point
 - weather condition
 - was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

** NOTE ** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The



Condition 41: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the CO emission limit of 0.130 lb/MMBtu for the auxiliary boiler for both processes 110 (No. 2 fuel oil fired) and 111 (natural gas fired). The corresponding emission limit for both processes is 27.20 lb/hr. These records must be kept on site for a minimum of five years.

Note: The emission limit of 0.130 lb/MMBtu for CO does not apply for the first hour of start-up. The auxiliary boiler must comply with the emission limit of 27.2 lb/hr for the first hour of start-up. This applies for both process 110 and 111.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.130 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 42: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Regulated Contaminant(s):

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the NOx emission limit of 0.200 lb/MMBtu for the auxiliary boiler for both processes 110 (No. 2 fuel oil fired) and 111 (natural gas fired). The corresponding emission limits for process 110 is 40.00 lb/hr and for process 111 is 41.80 lb/hr. These records must be kept on site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.200 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 43: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Total No. 2 fuel oil usage by the auxiliary boiler is limited to 1.26 million gallons per year.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 2 OIL

Upper Permit Limit: 1260000.0 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



monitoring variance from the 40 CFR 60 Subpart Db requirement for the applicant to install a COM to monitor opacity. The letter requires all records pertinent to the alternative opacity monitoring method be kept on site for a period of five years.

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: 110

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

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the PM, PM-10 emission limit of 0.034 lb/MMBtu for the auxiliary boiler and process 110 (No. 2 fuel oil fired). The corresponding emission limit for process 110 is 6.80 lb/hr. These records must be kept on site for a minimum of five years.

Parameter Monitored: PM-10
Upper Permit Limit: 0.034 pounds per million Btus
Reference Test Method: 40 CFR Part 60, Appendix A
Monitoring Frequency: Once every five years
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Alternative sulfur dioxide monitoring method.
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 60.47b(f), NSPS Subpart Db



Item 48.1:

This Condition applies to Emission Unit: U-00002
Process: 110

Item 48.2:

Facilities which combust very low sulfur oil are not subject to the requirements of section 40 CFR 60-Db.47b if fuel receipts are obtained in accordance with subdivision 40 CFR 60-Db.49b(r).

Condition 49: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: 111

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the PM, PM-10 emission limit of 0.001 lb/MMBtu for the auxiliary boiler and process 111 (natural gas fired). The corresponding emission limit for process 111 is 0.21 lb/hr. These records must be kept on site for a minimum of five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.001 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 50: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021



Applicable Federal Requirement:6 NYCRR 227-1.3

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired internal combustion engines which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack for each internal combustion engine which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - weather condition
 - was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the



top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 51: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

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

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall meet an alternative limit of 9 g/bhp-hr for these engines. The engines shall be required to perform an annual tune-up. The date and extent of the tune-up shall be recorded in a bound note book and kept on site. One engine shall be tested once every five years and the facility shall develop a protocol for the engines to be tested on a rotating basis. All testing records and tune-up data shall be maintained at the facility for a minimum of five years.

The emission limit was evaluated in a NO_x RACT analysis performed under 6 NYCRR 227-2.5(c). The engines are unable to meet the presumptive RACT emission limit of 2.3 g/bhp-hr without additional control technologies. Based on the results of the feasibility evaluation and the PSD requirement limiting operation of each of the three starting diesel engines to 475 hours per year, DEC approved an alternative limit of 9 g/bhp-hr.

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 9 grams per brake horsepower-hour
Reference Test Method: 40 CFR 60 Appendix A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

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

Emission Unit: U-00003

Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:
Operation of each of the three starting diesel engines is limited to 475 hours per year.

Work Practice Type: HOURS PER YEAR OPERATION
Upper Permit Limit: 475 hours
Monitoring Frequency: DAILY
Averaging Method: ANNUAL TOTAL ROLLED DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

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

Item 53.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00002

Emission Unit: U-00003

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Emission Unit: U-3GTDB

Item 53.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 54: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Distillate oil usage in the combustion turbines is limited to 2190 hours per year for each turbine. The facility will maintain records of distillate oil usage on site for a minimum of five years.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 2190 hours

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 55: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

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

Emission Unit: U-3GTDB

Item 55.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The type and amount of fuel burned in each combustion turbine must be monitored and recorded within an accuracy of +/- 5 percent.

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL ROLLED DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 56: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

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

Emission Unit: U-3GTDB

Item 56.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The combustion turbines may not operate below 70% load, except during periods of startup, malfunction, and shutdown. 70% load for each turbine corresponds to 31.5 MW, firing natural gas at 47 degrees F. Figures 5 and 5a correlate this limit (70% load) to ambient temperature. Figures 4 and 4a correlate 100% load to ambient temperature. Attached figures 4, 4a, 5 and 5a are

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



requirements of this permit. Also, attached figures 6, 7, 8 and 9 are requirements of 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 7/30/2016.

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

Condition 57: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner/operator shall install, calibrate, maintain, and operate a CEM to measure emissions of CO from each combustion turbine without duct burner operation for processes GT-1, GT-3, GT-6 and GT-8. The CEM records shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: SIEMENS/7MB1120-1AB10-0BA1

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 10.0 parts per million by volume

(dry, corrected to 15% O₂)

Reference Test Method: EPA METHOD 10

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 7/30/2016.

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

Condition 58: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 58.1:

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner/operator shall install, calibrate, maintain, and operate a CEM to measure emissions of CO from each combustion turbine/duct burner combination for processes GT-2 and GT-7. The CEM records shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: SIEMENS/7MB1120-1AB10-0BA1

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 16.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: EPA METHOD 10

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 7/30/2016.

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

Condition 59: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

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:

The owner/operator shall install, calibrate, maintain, and operate a CEM to measure emissions of CO from each combustion turbine/duct burner combination for processes GT-4 and GT-9. The CEM records shall be maintained on site

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



for a minimum of five years.

Manufacturer Name/Model Number: SIEMENS/7MB1120-1AB10-0BA1

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 17.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: EPA METHOD 10

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 7/30/2016.

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

Condition 60: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Regulated Contaminant(s):

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner/operator shall install, calibrate, maintain, and operate a CEM to measure emissions of NO_x from each combustion turbine (firing distillate oil only) without duct burner operation for processes GT-1 and GT-6; or with duct burner operation for processes GT-2 and GT-7. The CEM records shall be maintained on site for a minimum of five years.

The emission limit of 65 ppmvd corrected to 15 percent oxygen was evaluated in a NO_x RACT analysis performed as required under 6 NYCRR 227-2.4(e)(3). DEC approved the continuation of the existing presumptive RACT emission limit without requiring additional control technologies.

Manufacturer Name/Model Number: ROSEMONT/951A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 65.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: APP A METH 7E , 20

Monitoring Frequency: CONTINUOUS

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 61: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Regulated Contaminant(s):

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

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner/operator shall install, calibrate, maintain, and operate a CEM to measure emissions of NO_x from each combustion turbine (firing natural gas only) without duct burner operation for processes GT-3 and GT-8; or with duct burner operation for processes GT-4 and GT-9. The CEM records shall be maintained on site for a minimum of five years.

The emission limit of 42 ppmvd corrected to 15 percent oxygen was evaluated in a NO_x RACT analysis performed as required under 6 NYCRR 227-2.4(e)(3). DEC approved the continuation of the existing presumptive RACT emission limit without requiring additional control technologies.

Manufacturer Name/Model Number: ROSEMONT/951A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: APP A METH 7E , 20

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 7/30/2016.

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

Condition 62: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021



Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 62.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The duct burners shall not operate more than 390,000
MMBtu per year (total for all three units) when the
combustion turbines are firing distillate oil.

Parameter Monitored: HEAT CONTENT

Upper Permit Limit: 390000000000 British thermal units
per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 63: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Total annual distillate oil usage by the combustion
turbines is limited to 19.656 million gallons.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 2 OIL

Upper Permit Limit: 19656000.0 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 64: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combustion turbines shall fire natural gas and distillate oil only. The duct burners shall only fire natural gas.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 65: Circumvention.
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 65.1:

This Condition applies to Emission Unit: U-3GTDB

Item 65.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 66: Monitoring requirements.
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Item 66.1:

This Condition applies to Emission Unit: U-3GTDB

Item 66.2:

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 67: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 60.334, NSPS Subpart GG

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel sampling and analysis shall be performed in accordance with the alternate fuel monitoring schedule described in the USEPA letter dated June 10, 1994. Specifically, analyses of composite fuel oil samples are required from the bulk oil storage tanks after each delivery of new oil into the tanks. Note: fuel sampling of natural gas is not required if the natural gas combusted meets the definition of natural gas as stated in 40 CFR 331(u).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 68: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Process: DCT

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



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

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the VOC emission limit of 0.100 lb/MMBtu (11.0 lb/hr) for the duct burners firing natural gas in process DCT. These records must be kept on site for a minimum of five years.

Parameter Monitored: VOC

Upper Permit Limit: 0.100 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 69: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Process: DCT

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

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the PM, PM-10 emission limit of 0.006 lb/MMBtu (0.66 lb/hr) for the duct burners firing natural gas in process DCT. These records must be kept on site for a minimum of five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.006 pounds per million Btus

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Reference Test Method: 40 CFR Part 60, Appendix A
Monitoring Frequency: Once every five years
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB
Process: GT1

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

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the VOC emission limit of 0.010 lb/MMBtu (4.0 lb/hr) for the combustion turbines firing distillate oil without the duct burners in process GT-1. These records must be kept on site for a minimum of five years.

Parameter Monitored: VOC

Upper Permit Limit: 0.010 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 71: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 71.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Emission Unit: U-3GTDB
Process: GT1

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

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the PM, PM-10 emission limit of 0.024 lb/MMBtu (10.0 lb/hr) for the combustion turbines firing distillate oil without the duct burners in process GT-1. These records must be kept on site for a minimum of five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.024 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 72: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB
Process: GT3

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

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the VOC emission limit of 0.012 lb/MMBtu (5.0 lb/hr) for the combustion turbines firing distillate oil without the duct burners in process GT-3. These records must be kept on site for a minimum of

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



five years.

Parameter Monitored: VOC

Upper Permit Limit: 0.012 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 73: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Process: GT3

Regulated Contaminant(s):

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the PM, PM-10 emission limit of 0.006 lb/MMBtu (2.5 lb/hr) for the combustion turbines firing distillate oil without the duct burners in process GT-3. These records must be kept on site for a minimum of five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.006 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 74: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Process: GT6

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the VOC emission limit of 0.012 lb/MMBtu (4.0 lb/hr) for the combustion turbines firing distillate oil without the duct burners in process GT-6. These records must be kept on site for a minimum of five years.

Parameter Monitored: VOC

Upper Permit Limit: 0.012 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 75: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Process: GT6

Regulated Contaminant(s):

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

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years it in

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



order to determine compliance with the PM, PM-10 emission limit of 0.030 lb/MMBtu (10.0 lb/hr) for the combustion turbines firing distillate oil without the duct burners in process GT-6. These records must be kept on site for a minimum of five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.030 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 76: Compliance Certification
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Process: GT8

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the VOC emission limit of 0.015 lb/MMBtu (5.0 lb/hr) for the combustion turbines firing distillate oil without the duct burners in process GT-8. These records must be kept on site for a minimum of five years.

Parameter Monitored: VOC

Upper Permit Limit: 0.015 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Condition 77: Compliance Certification

Effective between the dates of 04/13/2016 and 04/12/2021

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Process: GT8

Regulated Contaminant(s):

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

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be done once every five years in order to determine compliance with the PM, PM-10 emission limit of 0.008 lb/MMBtu (2.5 lb/hr) for the combustion turbines firing distillate oil without the duct burners in process GT-8. These records must be kept on site for a minimum of five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.008 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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



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

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

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

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

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

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

Condition 78: Contaminant List
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable State Requirement:ECL 19-0301

Item 78.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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



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

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

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

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

Condition 79: Malfunctions and start-up/shutdown activities
Effective between the dates of 04/13/2016 and 04/12/2021

Applicable State Requirement:6 NYCRR 201-1.4

Item 79.1:

- (a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.
- (b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.
- (c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.
- (d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.
- (e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements



listed above must be adhered to in such circumstances.

