



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6102-00116/00021
Effective Date: 07/05/2018 Expiration Date: 07/04/2023

Permit Issued To: ASTORIA GENERATING COMPANY LP
18-01 20TH AVE
LONG ISLAND CITY, NY 11105-4271

Contact: ANDREW W OLIVER
ASTORIA GENERATING COMPANY, LP C/O EASTERN GENERATION
LLC
3650 JAMES ST STE 206
SYRACUSE, NY 13206
(315) 433-1371

Facility: GOWANUS GENERATING STATION
29TH ST & 2ND AVE
BROOKLYN, NY 11232

Contact: NATALIA HERNANDEZ
ASTORIA GENERATING STATION
18-01 20TH AVE GATE # 1
ASTORIA, NY 11105
(718) 204-3918

Description:
This is a Title V Renewal Permit. Also, in this application facility withdraws their permit to install and operate one (1) new LMS100 combustion turbine/generator set.

Gowanus Generating Station (GGS) is an existing electric power generating plant. The existing facility operates thirty two (32) combustion turbine/electric generating sets located on four barges. Each existing combustion turbine is rated at 299 mmbtu/hr. Sixteen (16) of the turbines combust distillate oil only; the other 16 units have dual fuel capability (oil and gas). Emission Unit G-00001: combustion turbines and starter diesels - thirty two (32) existing combustion turbines and starter diesels, emission points GT11 - GT18, GT21, GT31 - GT38 and GT41 - GT48.

New York State Department of Environmental Conservation
Facility DEC ID: 2610200116



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: STEPHEN A WATTS
 47-40 21ST ST
 LONG ISLAND CITY, NY 11101-5401

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 2 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

The permittee must submit a renewal application at least 180 days before the expiration of permits for 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 2 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 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997

New York State Department of Environmental Conservation

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ASTORIA GENERATING COMPANY LP
18-01 20TH AVE
LONG ISLAND CITY, NY 11105-4271

Facility: GOWANUS GENERATING STATION
29TH ST & 2ND AVE
BROOKLYN, NY 11232

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES
4931 - ELEC & OTHER SERVICES COMBINED
5171 - PETROLEUM BULK STATIONS & TERMINALS

Permit Effective Date: 07/05/2018

Permit Expiration Date: 07/04/2023



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 Subpart 201-7: Facility Permissible Emissions
- *24 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *25 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 26 6 NYCRR Part 207: Submittal of Episode Action Plans
- 27 6 NYCRR 211.1: Air pollution prohibited
- 28 6 NYCRR 225-1.2 (h): Compliance Certification
- 29 6 NYCRR 225.7 (a): Compliance Certification
- 30 6 NYCRR 227-2.5 (b): Compliance Certification
- 31 6 NYCRR 227-2.6: Compliance Certification
- 32 40CFR 63, Subpart ZZZZ: Applicability
- 33 40CFR 63, Subpart ZZZZ: Compliance and Enforcement
- 34 40CFR 63, Subpart ZZZZ: Engines at Area sources of HAP

Emission Unit Level

- 35 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 36 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=G-00001

- 37 6 NYCRR 227-2.6: Compliance Certification

EU=G-00001,Proc=D01

- 38 6 NYCRR 227-1.3 (a): Compliance Certification

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39 6 NYCRR 227.2 (b) (1): Compliance Certification

EU=G-00001,Proc=OGT

40 6 NYCRR 227-1.3 (a): Compliance Certification

41 6 NYCRR 227.2 (b) (1): Compliance Certification

EU=G-00001,Proc=SEP

42 6 NYCRR 227-1.3 (a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

43 ECL 19-0301: Contaminant List

44 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

45 6 NYCRR 211.2: Visible Emissions Limited

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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



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

Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 07/05/2018 and 07/04/2023**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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

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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 07/05/2018 and 07/04/2023

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 07/05/2018 and 07/04/2023

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 07/05/2018 and 07/04/2023

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 07/05/2018 and 07/04/2023

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 10/30/2018.

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

Condition 6: Compliance Certification
Effective between the dates of 07/05/2018 and 07/04/2023

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 record keeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as



specified in any special permit terms or conditions;
and
- such additional requirements as may be specified
elsewhere in this permit related to compliance
certification.

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

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

iv. All 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
Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

The address for the BQA is as follows:

NYSDEC

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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 10/30/2018.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Condition 8: Recordkeeping requirements
Effective between the dates of 07/05/2018 and 07/04/2023

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 07/05/2018 and 07/04/2023

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 07/05/2018 and 07/04/2023

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 07/05/2018 and 07/04/2023

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 07/05/2018 and 07/04/2023

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 07/05/2018 and 07/04/2023

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 07/05/2018 and 07/04/2023



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 07/05/2018 and 07/04/2023

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

Item 15.1:

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

Condition 16: Right to Inspect
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 16.1:

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

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

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

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

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

Condition 17: Off Permit Changes
Effective between the dates of 07/05/2018 and 07/04/2023



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

Item 17.1:

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 19: Accidental release provisions.
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

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1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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

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

Condition 21: Emission Unit Definition
Effective between the dates of 07/05/2018 and 07/04/2023

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: G-00001

Emission Unit Description:

Emission Sources 0GT11 - 0GT18 and 0GT41 - 0GT48: Sixteen (16) simple cycle combustion turbines each rated at 299 MMBTU/hr. Each combustion turbine has the capability to burn distillate oil and has a diesel starter engine.

Emission Sources 0GT21 - 0GT28 and 0GT31 - 0GT38: Sixteen (16) combustion turbines each rated at 299 MMBTU/hr. Each combustion turbine has the capability to burn natural gas and distillate oil and has a diesel starter engine (32 starter engines).

Building(s): PIER 1

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 07/05/2018 and 07/04/2023

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: Facility Permissible Emissions
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 23.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY210-00-0

PTE: 21,280,684 pounds per year

Name: OXIDES OF NITROGEN

Condition 24: Capping Monitoring Condition
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 24.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-2

40 CFR 52.21

Item 24.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 24.3:

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.

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Item 24.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 24.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 24.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: G-00001 Process: SEP	Emission Source: OSD11
Emission Unit: G-00001 Process: SEP	Emission Source: OSD12
Emission Unit: G-00001 Process: SEP	Emission Source: OSD13
Emission Unit: G-00001 Process: SEP	Emission Source: OSD14
Emission Unit: G-00001 Process: SEP	Emission Source: OSD15
Emission Unit: G-00001 Process: SEP	Emission Source: OSD16
Emission Unit: G-00001 Process: SEP	Emission Source: OSD17
Emission Unit: G-00001 Process: SEP	Emission Source: OSD18
Emission Unit: G-00001 Process: SEP	Emission Source: OSD21
Emission Unit: G-00001 Process: SEP	Emission Source: OSD22
Emission Unit: G-00001 Process: SEP	Emission Source: OSD23
Emission Unit: G-00001 Process: SEP	Emission Source: OSD24

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Emission Unit: G-00001 Process: SEP	Emission Source: OSD25
Emission Unit: G-00001 Process: SEP	Emission Source: OSD26
Emission Unit: G-00001 Process: SEP	Emission Source: OSD27
Emission Unit: G-00001 Process: SEP	Emission Source: OSD28
Emission Unit: G-00001 Process: SEP	Emission Source: OSD31
Emission Unit: G-00001 Process: SEP	Emission Source: OSD32
Emission Unit: G-00001 Process: SEP	Emission Source: OSD33
Emission Unit: G-00001 Process: SEP	Emission Source: OSD34
Emission Unit: G-00001 Process: SEP	Emission Source: OSD35
Emission Unit: G-00001 Process: SEP	Emission Source: OSD36
Emission Unit: G-00001 Process: SEP	Emission Source: OSD37
Emission Unit: G-00001 Process: SEP	Emission Source: OSD38
Emission Unit: G-00001 Process: SEP	Emission Source: OSD41
Emission Unit: G-00001 Process: SEP	Emission Source: OSD42
Emission Unit: G-00001 Process: SEP	Emission Source: OSD43
Emission Unit: G-00001 Process: SEP	Emission Source: OSD44
Emission Unit: G-00001 Process: SEP	Emission Source: OSD45



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Emission Unit: G-00001

Process: SEP

Emission Source: OSD46

Emission Unit: G-00001

Process: SEP

Emission Source: OSD47

Emission Unit: G-00001

Process: SEP

Emission Source: OSD48

Regulated Contaminant(s):

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

Item 24.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The total annual operation of 32 starter engines(OSD11-OSD18, OS21-SD28, OSD31-OSD38 & OS41-OD48) in this process is limited to 2560 hours (Engine NOx emission factor 0.031 lbs/hp-hr ((4.41 lb/mmbtu) AP-42 Fifth Edition, October 1996, Table 3.3-1). Thus the total annual emissions of NOx from these units will be less than 25 tpy threshold for PSD or New source review applicability. Monthly total operating hours shall be maintained at the facility, and all the records shall be kept at the facility for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 24.9 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2018.

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

Condition 25: Capping Monitoring Condition

Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-2
40 CFR 52.21



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Item 25.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 25.3:

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.

Item 25.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 25.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 25.6:

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

Emission Unit: G-00001
Process: D01

Emission Unit: G-00001
Process: G01

Emission Source: 0GT21

Emission Unit: G-00001
Process: G01

Emission Source: 0GT22

Emission Unit: G-00001
Process: G01

Emission Source: 0GT23

Emission Unit: G-00001
Process: G01

Emission Source: 0GT24

Emission Unit: G-00001
Process: G01

Emission Source: 0GT25

Emission Unit: G-00001
Process: G01

Emission Source: 0GT26

Emission Unit: G-00001
Process: G01

Emission Source: 0GT27

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Emission Unit: G-00001 Process: G01	Emission Source: 0GT28
Emission Unit: G-00001 Process: G01	Emission Source: 0GT31
Emission Unit: G-00001 Process: G01	Emission Source: 0GT32
Emission Unit: G-00001 Process: G01	Emission Source: 0GT33
Emission Unit: G-00001 Process: G01	Emission Source: 0GT34
Emission Unit: G-00001 Process: G01	Emission Source: 0GT35
Emission Unit: G-00001 Process: G01	Emission Source: 0GT36
Emission Unit: G-00001 Process: G01	Emission Source: 0GT37
Emission Unit: G-00001 Process: G01	Emission Source: 0GT38
Emission Unit: G-00001 Process: OGT	
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT21
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT22
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT23
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT24
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT25
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT26
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT27



Emission Unit: G-00001 Process: OGT	Emission Source: 0GT28
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT31
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT32
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT33
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT34
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT35
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT36
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT37
Emission Unit: G-00001 Process: OGT	Emission Source: 0GT38
Regulated Contaminant(s): CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 25.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Emission Sources: 0GT21- 0GT28, 0GT31- 0GT38

Total annual NOX emissions from 16 existing turbines is limited to 382 tons per year.

Facility must calculate the total yearly NOx emissions based on fuel usage, and emission factors derived from the most recent stack tests. All records must be maintained at the facility for a minimum period of five years.

The regional air pollution control engineer must be notified in writing within (10) ten working days of any contravention of the emission limit.



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Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 382 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 26: Submittal of Episode Action Plans
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR Part 207

Item 26.1:

An episode action plan must be submitted for approval by the Department in accordance with the requirements of 6NYCRR Part 207. The plan shall contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan when an air pollution episode is in effect.

Condition 27: Air pollution prohibited
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR 211.1

Item 27.1:

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 28: Compliance Certification
Effective between the dates of 07/05/2018 and 07/04/2023

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

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: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the

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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 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 29: Compliance Certification
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement: 6 NYCRR 225.7 (a)

Item 29.1:
The Compliance Certification activity will be performed for the Facility.

Item 29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum, supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submitted to, the NYSDEC as per the stated reporting requirement.

Monitoring Frequency: PER DELIVERY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 30: Compliance Certification



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Effective between the dates of 07/05/2018 and 07/04/2023

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

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Astoria Generating Company's system-wide averaging of NOx emissions from its Astoria, Gowanus, and Narrows Generating Stations must be performed in accordance with the most current version of the NOx RACT averaging Plan (October 2017)approved by the Department. Gowanus Generating Station's thirty two turbines and starter engines are also included in the averaging plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2018.

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

Condition 31: Compliance Certification

Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR 227-2.6

Item 31.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: G-00001
Process: SEP

Emission Unit: G-00001
Process: SEP Emission Source: OSD11

Emission Unit: G-00001
Process: SEP Emission Source: OSD12

Emission Unit: G-00001
Process: SEP Emission Source: OSD13

Emission Unit: G-00001

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Process: SEP	Emission Source: OSD14
Emission Unit: G-00001 Process: SEP	Emission Source: OSD15
Emission Unit: G-00001 Process: SEP	Emission Source: OSD16
Emission Unit: G-00001 Process: SEP	Emission Source: OSD17
Emission Unit: G-00001 Process: SEP	Emission Source: OSD18
Emission Unit: G-00001 Process: SEP	Emission Source: OSD21
Emission Unit: G-00001 Process: SEP	Emission Source: OSD22
Emission Unit: G-00001 Process: SEP	Emission Source: OSD23
Emission Unit: G-00001 Process: SEP	Emission Source: OSD24
Emission Unit: G-00001 Process: SEP	Emission Source: OSD25
Emission Unit: G-00001 Process: SEP	Emission Source: OSD26
Emission Unit: G-00001 Process: SEP	Emission Source: OSD27
Emission Unit: G-00001 Process: SEP	Emission Source: OSD28
Emission Unit: G-00001 Process: SEP	Emission Source: OSD31
Emission Unit: G-00001 Process: SEP	Emission Source: OSD32
Emission Unit: G-00001 Process: SEP	Emission Source: OSD33
Emission Unit: G-00001 Process: SEP	Emission Source: OSD34
Emission Unit: G-00001 Process: SEP	Emission Source: OSD35

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Emission Unit: G-00001
Process: SEP Emission Source: OSD36

Emission Unit: G-00001
Process: SEP Emission Source: OSD37

Emission Unit: G-00001
Process: SEP Emission Source: OSD38

Emission Unit: G-00001
Process: SEP Emission Source: OSD41

Emission Unit: G-00001
Process: SEP Emission Source: OSD42

Emission Unit: G-00001
Process: SEP Emission Source: OSD43

Emission Unit: G-00001
Process: SEP Emission Source: OSD44

Emission Unit: G-00001
Process: SEP Emission Source: OSD45

Emission Unit: G-00001
Process: SEP Emission Source: OSD46

Emission Unit: G-00001
Process: SEP Emission Source: OSD47

Emission Unit: G-00001
Process: SEP Emission Source: OSD48

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

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In lieu of performing a stack test on the Starter Engines associated with the Combustion Turbines, a log must be kept which lists the dates of operation of the Starter Engines and the duration of each occurrence. Also, all starter engines must be operated and maintained as per manufacturer guidelines. The operation and maintenance log must be maintained at the facility and submitted, semiannually to the Department. at the following address:

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Hunters Point Plaza
47-40 21st Street
Long Island City, NY, 11101-5407
Attn: Regional Air Pollution Control

Engineer

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 10/30/2018.

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

Condition 32: Applicability
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 32.1:

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.

Condition 33: Compliance and Enforcement
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 33.1:

The Department has not accepted delegation of 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart ZZZZ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

Condition 34: Engines at Area sources of HAP
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 34.1:

Internal combustion engines, constructed or re-constructed on or after June 12, 2006, that meet



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the requirements of 40 CFR 60 Subpart IIII or Subpart JJJJ meet the requirements of 40 CFR 63 Subpart ZZZZ.

**** Emission Unit Level ****

Condition 35: Emission Point Definition By Emission Unit
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 35.1:

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

Emission Unit: G-00001

Emission Point: 0GT11
Height (ft.): 57 Length (in.): 240 Width (in.): 154
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: 0GT12
Height (ft.): 57 Length (in.): 240 Width (in.): 154
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: 0GT13
Height (ft.): 57 Length (in.): 240 Width (in.): 154
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: 0GT14
Height (ft.): 57 Length (in.): 240 Width (in.): 154
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: 0GT15
Height (ft.): 57 Length (in.): 240 Width (in.): 154
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: 0GT16
Height (ft.): 57 Length (in.): 240 Width (in.): 154
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: 0GT17
Height (ft.): 57 Length (in.): 240 Width (in.): 154
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: 0GT18
Height (ft.): 57 Length (in.): 240 Width (in.): 154
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: 0GT21
Height (ft.): 57 Length (in.): 240 Width (in.): 154

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NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT22		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.523	NYTME (km.): 584.333	Building: PIER 1
Emission Point: 0GT23		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT24		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT25		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT26		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT27		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT28		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.523	NYTME (km.): 584.333	Building: PIER 1
Emission Point: 0GT31		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.523	NYTME (km.): 584.333	Building: PIER 1
Emission Point: 0GT32		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT33		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT34		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.523	NYTME (km.): 584.333	Building: PIER 1
Emission Point: 0GT35		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.523	NYTME (km.): 584.333	Building: PIER 1
Emission Point: 0GT36		
Height (ft.): 57	Length (in.): 240	Width (in.): 154

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NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT37		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.523	NYTME (km.): 584.333	Building: PIER 1
Emission Point: 0GT38		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT41		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT42		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT43		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT44		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT45		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT46		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT47		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: 0GT48		
Height (ft.): 57	Length (in.): 240	Width (in.): 154
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: OSD11		
Height (ft.): 37	Diameter (in.): 8	
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: OSD12		
Height (ft.): 37	Diameter (in.): 8	
NYTMN (km.): 4501.664	NYTME (km.): 584.379	Building: PIER 1
Emission Point: OSD13		
Height (ft.): 37	Diameter (in.): 8	



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NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD14
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD15
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD16
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD17
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD18
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD21
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD22
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD23
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD24
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD25
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD26
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD27
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD28
Height (ft.): 37 Diameter (in.): 8



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NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD31
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD32
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD33
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD34
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD35
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD36
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD37
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD38
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD41
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD42
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD43
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD44
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD45
Height (ft.): 37 Diameter (in.): 8



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Facility DEC ID: 2610200116

NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD46
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD47
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Emission Point: OSD48
Height (ft.): 37 Diameter (in.): 8
NYTMN (km.): 4501.664 NYTME (km.): 584.379 Building: PIER 1

Condition 36: Process Definition By Emission Unit
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 36.1:

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

Emission Unit: G-00001
Process: D01 Source Classification Code: 2-01-001-09
Process Description:

This process includes: 16 combustion turbines rated at 299 MMBtu/hr each. This process covers the combustion of distillate oil in these turbines(0GT11-0GT18 & 0GT41-0GT48).

Emission Source/Control: 0GT11 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT12 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT13 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT14 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT15 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT16 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT17 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT18 - Combustion



New York State Department of Environmental Conservation

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Facility DEC ID: 2610200116

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT41 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT42 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT43 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT44 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT45 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT46 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT47 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT48 - Combustion

Design Capacity: 299 million Btu per hour

Item 36.2:

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

Emission Unit: G-00001

Process: G01

Source Classification Code: 2-01-002-09

Process Description:

This process include 16 turbines of 299mm btu/hr firing natural gas. 0GT21- 0GT28, 0GT31- 0GT38

Emission Source/Control: 0GT21 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT22 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT23 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT24 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT25 - Combustion

Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT26 - Combustion

Design Capacity: 299 million Btu per hour



New York State Department of Environmental Conservation

Permit ID: 2-6102-00116/00021

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Emission Source/Control: 0GT27 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT28 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT31 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT32 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT33 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT34 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT35 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT36 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT37 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT38 - Combustion
Design Capacity: 299 million Btu per hour

Item 36.3:

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

Emission Unit: G-00001

Process: OGT

Source Classification Code: 2-01-001-09

Process Description:

This process include 16 turbines of 299mm btu/hr burning distillate oil. Emission Sources: 0GT21- 0GT28, 0GT31- 0GT38

Emission Source/Control: 0GT21 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT22 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT23 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT24 - Combustion
Design Capacity: 299 million Btu per hour

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Facility DEC ID: 2610200116



Emission Source/Control: 0GT25 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT26 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT27 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT28 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT31 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT32 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT33 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT34 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT35 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT36 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT37 - Combustion
Design Capacity: 299 million Btu per hour

Emission Source/Control: 0GT38 - Combustion
Design Capacity: 299 million Btu per hour

Item 36.4:

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

Emission Unit: G-00001

Process: SEP

Source Classification Code: 2-01-001-02

Process Description:

This process includes 32 diesel starter engines rated at 600hp. Each 299mmbtu/hr turbine has a starter engine.

Emission Source/Control: 0SD11 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD12 - Combustion
Design Capacity: 600 horsepower (mechanical)

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Emission Source/Control: 0SD13 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD14 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD15 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD16 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD17 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD18 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD21 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD22 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD23 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD24 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD25 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD26 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD27 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD28 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD31 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD32 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD33 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: 0SD34 - Combustion



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Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD35 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD36 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD37 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD38 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD41 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD42 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD43 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD44 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD45 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD46 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD47 - Combustion
Design Capacity: 600 horsepower (mechanical)

Emission Source/Control: OSD48 - Combustion
Design Capacity: 600 horsepower (mechanical)

Condition 37: Compliance Certification
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement: 6 NYCRR 227-2.6

Item 37.1:
The Compliance Certification activity will be performed for:

Emission Unit: G-00001

Item 37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Facility DEC ID: 2610200116



Monitoring Description:

Once during the permit term, facility must perform stack test on the 32 turbines(OGT21-OGT28 >31-OGT38 and OGT11-18 & OGT41-OGT48) to determine NO_x emission factors used in capping calculation.

Stack testing shall also be used to verify compliance of NO_x emissions from these turbines with the most current version of the NO_x RACT system-wide averaging plan submitted by Astoria Generating Company. All stack testing shall be done in accordance with 6NYCRR 227-2.6(c). Recent NO_x RACT plan is dated October 2017.

For the emission factors to be approved, facility must submit to the Department an approvable stack test protocol at least 30 days prior to the test. Facility must perform stack test based on approved stack test protocol, and then submit to the Department the stack test report for approval, within 60 days of performing the test.

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 10/30/2018.

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

Condition 38: Compliance Certification
Effective between the dates of 07/05/2018 and 07/04/2023

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

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00001

Process: D01

Item 38.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

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Facility DEC ID: 2610200116



The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

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

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

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: DAILY
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 10/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement: 6 NYCRR 227.2 (b) (1)

Item 39.1:

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

Emission Unit: G-00001
Process: D01

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 2-6102-00116/00021

Facility DEC ID: 2610200116



CAS No: ONY075-00-0 PARTICULATES

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

At the monitoring frequency stated below the facility shall perform the following:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.
- 4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2018.

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

Condition 40: Compliance Certification

Effective between the dates of 07/05/2018 and 07/04/2023

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

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00001

Process: OGT



Item 40.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

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

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

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 10/30/2018.

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



Condition 41: Compliance Certification
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable Federal Requirement: 6 NYCRR 227.2 (b) (1)

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00001

Process: OGT

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

At the monitoring frequency stated below the facility shall perform the following:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.
- 4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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Facility DEC ID: 2610200116



The initial report is due 10/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification
Effective between the dates of 07/05/2018 and 07/04/2023

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

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00001
Process: SEP

Item 42.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

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

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

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the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

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 10/30/2018.

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: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and



standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 43: Contaminant List
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable State Requirement:ECL 19-0301

Item 43.1:

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

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

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

Condition 44: Malfunctions and start-up/shutdown activities
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable State Requirement:6 NYCRR 201-1.4

Item 44.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to



the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 45: Visible Emissions Limited
Effective between the dates of 07/05/2018 and 07/04/2023

Applicable State Requirement:6 NYCRR 211.2

Item 45.1:

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

