PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-3928-00001/00027
Effective Date: 12/21/2015 Expiration Date: 12/20/2020

Permit Issued To:ALGONQUIN GAS TRANSMISSION LLC
PO BOX 1642
HOUSTON, TX 77251-1642

Contact: REGAN MAYCES
ALGONQUIN GAS TRANSMISSION COMPANY
PO BOX 1642
HOUSTON, TX 77251-1642
(713) 627-4790

Facility: ALGONQUIN GAS: STONY POINT COMPRESSOR STA
LINDBERG RD
STONY POINT, NY 10980

Description:
Permit renewal including Algonquin Incremental Market (AIM) project modification. Algonquin Gas Transmission, LLC is proposing to increase the pipeline size and compressor station horsepower along Algonquin's existing mainline from Ramapo, New York to multiple mainline delivery points in Connecticut and Massachusetts and Greenfield facilities lateral to West Roxbury, Massachusetts . Collectively, this project is referred to as the AIM project. The AIM project will require the addition of horsepower at five existing compressor stations, including Stony Point Compressor station (Stony Point) in Stony Point, New York. As part of the AIM project, Algonquin is proposing to install the following equipment at Stony Point: Two (2) new Solar Mars 100-16002S4 15,900 HP (ISO) natural gas fired turbine-driven compressors, Emission Unit ((EU) T-00009); one (1) exempt new Waukesha VGF24GL (585 bhp) natural gas fired emergency generator; two (2) exempt Cameron natural gas fired gas heaters rated at 0.8 MMBtu/hr and 0.4 MMBtu/hr and; a new gas cooler for the new compressor units.

In addition to the AIM project, Algonquin is also proposing to complete a separate project that involves several modifications and improvements on existing equipment at the Stony Point station. These includes the permanent shut down of the existing natural gas fired Solar Mars 90-12000 turbine compressor

driver, Emission Source (ES)-00007; installation of a new Solar Mars 100-16002S4 (ES-00071) 15,900 HP natural gas fired turbine-driven; permanent shut down of four (4) existing natural gas fired 2,700 hp Clark TLA-8 reciprocating engines (EUs R-00001, R- 00002, R- 00003, R-00004); permanent shut down of an existing 6.3 MMBtu/hr heat input Cleaver-Brooks boiler; modification to existing equipment stacks; and Installation of an exempt new remote reservoir parts washer. The proposed project schedule construction is March 2016.

The proposed project modifications potential to emit for NOx, VOC and PM2.5 will be limited to 58.1 tpy, 27.1 tpy, and 11.4 tpy respectively in order to net out of 6 NYCRR Part 231-6.2 Nonattainment New Source review (NNSR) and 6 NYCRR Part 231-8.2 for NOx Prevention of Significant Deterioration (PDS) applicability. The NOx limit also applies to PM2.5 NNSR precursor emissions. The three (3) new Solar Mars 100-16002S4 turbines (ES- 00071, 00009 and 00010) will be subjected to a NOx concentration limit of 9 ppmv at 15% O2 during normal operation based on manufacturer guarantee. In addition, these units will also be subjected to VOC and CO limits as guaranteed by the manufacturer.

In order to net out of NNSR and PSD requirements, the Department intends to certify NOx, VOC, and PM2.5 emission reduction credits (ERCs) of 33.2, 2.2 and 1.5 tpy respectively based on the proposed internal reductions from the permanent shut down of the existing sources mentioned as part of the project modification. The ERCs that are being applied for NNSR and NOx PSD netting analyses reduce the projected emission potential below applicable Part 231-13 Tables 3, 4 and 6 significant net emission increase (NEI) thresholds. Upon issuance of the permit for the proposed modification, the ERC Registry will be amended to reflect the ERCs that have been committed to the netting analyses and those remaining for future use.

As part of the permit application, air dispersion modeling was conducted with results demonstrating that the air quality impacts from the facility existing sources and the proposed project modifications will meet NYSDEC Air Guide 1 short-term and Annual Toxic Guideline Concentrations (SGCs and AGCs), as well as the National Ambient Air Quality Standards (NAAQS) for N02.

For greenhouse gas (GHG), the net emission increase is above 6 NYCRR Part 231-13 Table 6 significant threshold of 75,000 tpy. However, based on the recent Supreme Court decision addressing GHG emissions and PSD permitting requirements under the Clean Air Act, the Department is utilizing its enforcement discretion regarding the applicability of GHG PSD under 6 NYCRR 231-8.

To assure compliance with the new turbine vendor guaranteed emission rates and emission limits for NOx, VOC, and CO, the facility will be required to conduct performance testing. For PM2.5, performance testing will be conducted to demonstrate compliance with USEPA AP 42 emission factor used to establish the PM2.5 emission limit. It should be noted that the new turbines NOx vendor guaranteed emission rate of 9 ppmvd (15%O2) is more stringent than both 6 NYCRR Part 227-2.4(e)(1) Reasonable Available Control Technology (RACT) limit of 50 ppmvd(15%O2) and New Source Performance Standards (NSPS) 40 CFR 60 Subpart KKKK (60.4320(a)) limit of 25 ppm (15%O2). Given the more stringent limit and for streamlining, the RACT and NSPS limits are not included in the permit.

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

Permit Administrator: GEORGE A SWEIKERT
NYSDEC - REGION 3
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561-1696

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
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 3 HEADQUARTERS

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

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by

the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 4.1:
The permittee must submit a renewal application at least 180 days before expiration of permits for both Title V and State Facility Permits.

Item 4.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Item 5.1:
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 6: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 6.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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Facility: ALGONQUIN GAS: STONY POINT COMPRESSOR STA
LINDBERG RD
STONY POINT, NY 10980

Authorized Activity By Standard Industrial Classification Code:
4922 - NATURAL GAS TRANSMISSION

Permit Effective Date: 12/21/2015 Permit Expiration Date: 12/20/2020

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 201-3.2 (a): Compliance Certification
15 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
16 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
17 6 NYCRR 201-6.4 (a) (8): Right to Inspect
18 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
19 6 NYCRR 202-1.1: Required Emissions Tests
20 40 CFR Part 68: Accidental release provisions.
21 40CFR 82, Subpart F: Recycling and Emissions Reduction
22 6 NYCRR Subpart 201-6: Emission Unit Definition
23 6 NYCRR Subpart 201-6: Compliance Certification
24 6 NYCRR Subpart 201-6: Compliance Certification
25 6 NYCRR Subpart 201-6: Compliance Certification
26 6 NYCRR Subpart 201-6: Compliance Certification
27 6 NYCRR Subpart 201-6: Compliance Certification
28 6 NYCRR Subpart 201-6: Compliance Certification
29 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
30 6 NYCRR 211.1: Air pollution prohibited
31 6 NYCRR 227-1.3 (a): Compliance Certification
32 6 NYCRR 227-2.4 (e) (1): Compliance Certification
33 6 NYCRR 231-6.2: Compliance Certification
34 6 NYCRR 231-6.2: Compliance Certification
35 6 NYCRR 231-6.2: Compliance Certification
36 6 NYCRR Subpart 231-10: Compliance Certification
37 40CFR 52.21, Subpart A: Compliance Certification
38 40CFR 60.7, NSPS Subpart A: Compliance Certification
39 40CFR 60.334(h)(2), NSPS Subpart GG: Compliance Certification
40 40CFR 60.334(h)(3), NSPS Subpart GG: Compliance Certification
41 40CFR 60.4340(a), NSPS Subpart KKKK: Compliance Certification
42 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Certification
43 40CFR 63, Subpart DDDDD: Compliance Certification

44 40CFR 63.6095(d), Subpart YYYY: Compliance Certification
45 40CFR 63.6645(f), Subpart ZZZZ: Compliance Certification

Emission Unit Level

46 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
47 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
48 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions

EU=G-00001

49 40CFR 60.4243(b)(2)(ii), NSPS Subpart JJJJ: Compliance Certification

EU=G-00001,Proc=00G,ES=EG001

50 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
51 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
52 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
53 40CFR 60.4244, NSPS Subpart JJJJ: Test methods and procedures
54 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
55 40CFR 60.4245(c), NSPS Subpart JJJJ: Compliance Certification
56 40CFR 60.4245(d), NSPS Subpart JJJJ: Performance test requirements

EU=T-00007

*57 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=T-00008

*58 6 NYCRR Subpart 201-7: Capping Monitoring Condition
59 40CFR 60.8(c), NSPS Subpart A: Required performance test information.

EU=T-00009

*60 6 NYCRR Subpart 201-7: Capping Monitoring Condition

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

61 ECL 19-0301: Contaminant List
62 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
63 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: Emergency Defense - 6 NYCRR 201-1.5

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

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

(1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
(2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
(3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: **Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: **Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: **Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: **Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: **Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

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

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

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

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

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

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

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

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

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

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

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

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

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

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

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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

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

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

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

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

Condition 1: **Acceptable Ambient Air Quality**
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR 200.6

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

Condition 2: **Fees**
Effective between the dates of 12/21/2015 and 12/20/2020

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 12/21/2015 and 12/20/2020

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 12/21/2015 and 12/20/2020

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 12/21/2015 and 12/20/2020

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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

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
NYSDEC
21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

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 12/21/2015 and 12/20/2020

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 12/21/2015 and 12/20/2020

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 12/21/2015 and 12/20/2020

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 12/21/2015 and 12/20/2020

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 12/21/2015 and 12/20/2020

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 12/21/2015 and 12/20/2020

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: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

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

Item 14.1:
The Compliance Certification activity will be performed for the Facility.

Item 14.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
AS PROOF OF EXEMPT ELIGIBILITY FOR THE EMERGENCY GENERATORS, THE FACILITY MUST MAINTAIN MONTHLY RECORDS WHICH DEMONSTRATE THAT EACH ENGINE IS OPERATED LESS THAN 500 HOURS PER YEAR, ON A 12-MONTH ROLLING TOTAL BASIS.

Work Practice Type: HOURS PER YEAR OPERATION
Upper Permit Limit: 500.0 hours
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 15: Trivial Sources - Proof of Eligibility
Effective between the dates of 12/21/2015 and 12/20/2020

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

Item 15.1:
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 16: Requirement to Provide Information
Effective between the dates of 12/21/2015 and 12/20/2020

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

Item 16.1:
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 17: Right to Inspect
Effective between the dates of 12/21/2015 and 12/20/2020

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

Item 17.1:
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 18: Off Permit Changes
Effective between the dates of 12/21/2015 and 12/20/2020

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

Item 18.1:
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

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

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

Condition 19: Required Emissions Tests
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 20: Accidental release provisions.
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40 CFR Part 68

Item 20.1:
If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities

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

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

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

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

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

Condition 21: Recycling and Emissions Reduction
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 82.

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

Condition 22: Emission Unit Definition
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-I0001
Emission Unit Description:
Fugitive Emissions.

Item 22.2:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: G-00001
Emission Unit Description:
One Waukesha (585 bhp) natural gas fired emergency generator. The emergency generator as defined in section 6

NYCRR Part 200.1(cq) is an exempt source under 6 NYCRR Part 201-3.2 , however, the unit is subject to the applicable requirements of 40 CFR Part 60, Subpart JJJ.

Building(s): AUX02

Item 22.3:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: R-00001
Emission Unit Description:
One natural gas fired reciprocating compressor engine Clark Model TLA-8. This unit will be removed prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Building(s): C001

Item 22.4:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: R-00002
Emission Unit Description:
One natural gas fired reciprocating compressor engine Clark Model TLA-8. This unit will be removed prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Building(s): C001

Item 22.5:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: R-00003
Emission Unit Description:
One natural gas fired reciprocating compressor engine Clark Model TLA-8. This unit will be removed prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Building(s): C001

Item 22.6:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: R-00004
Emission Unit Description:
One natural gas fired reciprocating compressor engine Clark Model TLA-8. This unit will be removed prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Building(s): C001

Item 22.7:
The facility is authorized to perform regulated processes under this permit for:

Emission Unit: T-00007
Emission Unit Description:
One new Solar Mars 100-16002S4 compressor turbine rated at 15,900 hp. The turbines will fire pipeline natural gas only and is equipped with SoLoNox dry low emission technology and oxidation catalyst. Anticipated installation by November 1, 2015. Existing emission source (ES 00007) will be removed prior to the startup of the new turbine (ES 00071).

Building(s): C002

Item 22.8:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: T-00008
Emission Unit Description:
Two Solar Taurus 60-07802S3 compressor turbines firing pipeline quality Natural Gas.

Building(s): C001

Item 22.9:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: T-00009
Emission Unit Description:
Two new Solar Mars 100-16002S4 compressor turbines rated at 15,900 hp. The turbines will fire pipeline natural gas only and is equipped with SoLoNox dry low emission technology and oxidation catalyst. Anticipated emission unit installation by November 1, 2016.

Building(s): C002

Condition 23: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: T-00008
Process: 108 Emission Source: 00081

Emission Unit: T-00008
Process: 108 Emission Source: 00082

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

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

NOx emissions for the two (2) existing Solar Taurus 60-7802S3 compressor turbines (Emission Sources 00081 and 00082) are based on manufacturer's emission rate of 15 pppmvd (15% O2) during steady state operation at 50-100% engine load at all ambient temperatures above 0 degrees F.

The turbine manufacturer's NOx emission rate of 15 pppmvd (15% O2) is more stringent than both 6 NYCRR Part 227-2.4 (e) (1) RACT limit of 50 ppmvd (15% O2) and NSPS 40 CFR 60 Subpart KKKK (60.4320(a)) limit of 25 ppmvd (15% O2). Given the more stringent limit and for streamlining, the RACT and NSPS limits are not included in the permit for these emission sources.

The emission limit shall be met through annual performance testing. A stack test protocol shall be submitted to the Department for approval at least 30 days prior to testing accordance with 6 NYCRR Part 202-1 with future testing being performed according to 40 CFR 60.4340(a) testing frequency.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 15.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: EPA Method 7E or EPA Method 20
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 24.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: T-00007
Process: 207 Emission Source: 00071

Emission Unit: T-00009
Process: 209 Emission Source: 00009

Emission Unit: T-00009

Process: 209 Emission Source: 00010

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

Item 24.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

Within 180 days after the commencement of operation, facility shall conduct VOC stack emission testing per EPA approved stack testing method. VOC emissions from the new Solar Mars 100-16002S4 turbines (ES-00071, ES-00009, ES-00010) are based on manufacturer's emission rate of 25 ppmv TOC 15% O2 with AP-42 Table 3.1-2a VOC adjustments. The turbines VOC emission rate is limited to 0.5 lb/hr (for normal operations at an ambient temperature greater than 0 degree F).

Compliance with this limit is required to ensure that the project VOC emissions potential from the turbines do not exceed 7.1 tpy defined in the project permit application and the emission reduction credits (ERC) needed to net out of Nonattainment New Source Review (NNSR). The facility VOC emissions from these turbines are based on an estimated oxidation catalyst control reduction efficiency of 50 percent.

A report demonstrating compliance with the VOC emission rate shall be submitted to the Department within 60 days of the test. Stack test protocol shall be submitted to the Department for approval at least 30 days prior to testing accordance with 6 NYCRR Part 202-1 with future testing at a minimum of once per permit term and/or at the discretion of the Department.

The facility shall keep records of the inspection and maintenance of the oxidation catalysts to be performed at a minimum according to manufacturer's recommendations. All records must be maintained on site for a minimum of five years.

Parameter Monitored: VOC
Upper Permit Limit: 3.49 pounds per million cubic feet
Reference Test Method: EPA Test Method 25A or Approved Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 25.1:
The Compliance Certification activity will be performed for the Facility.

Item 25.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility is required to notify the Department of the release of natural gas greater than or equal to 1.0 MMscf associated with a single metering, purging and/or maintenance activities. For plan gas releases, the facility must notify the Department at least seven (7) days prior and for unplanned gas releases within seven (7) days after the event. The following information shall be submitted to the Department Regional Office using an appropriate form acceptable to the Department:

1) The approximate date(s) and duration of the activity;

2) The type of, and reason for, the activity;
3) The physical location including description of the processes and equipment involved; and
4) An estimate of natural gas release.

The above information, included the actual volumes of natural gas released, shall be kept on site for a minimum of five (5) years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 26.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: T-00007
Process: 207 Emission Source: 00071

Emission Unit: T-00009
Process: 209 Emission Source: 00009

Emission Unit: T-00009
Process: 209 Emission Source: 00010

Regulated Contaminant(s):
CAS No: 0NY075-02-5 PM 2.5

Item 26.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Within 180 days after the commencement of operation, facility shall conduct PM 2.5 stack emission testing applicable to one of the new Solar Mars 100-16002S4 turbines (ES-00071, ES-00009, ES-00010) per EPA approved stack testing method for condensible and filtered PM2.5.

Compliance with this limit is required to ensure that the project PM2.5 emissions potential from the turbines do not exceed 11.4 tpy based on AP-42 Table 3.1-1 emission factor and the emission reduction credits (ERC) needed to net out of Nonattainment New Source Review (NNSR).

A report demonstrating compliance with the emission factor shall be submitted to the Department within 60 days of the test. Stack test protocol shall be submitted to the Department for approval at least 30 days prior to the testing in accordance with 6 NYCRR Part 202-1 with future testing at a minimum of once per permit term and/or at the discretion of the Department.

Parameter Monitored: PM 2.5
Upper Permit Limit: .0066 pounds per million Btus
Reference Test Method: EPA Method 201/201A or Approved Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 27.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: T-00007

Process: 207 Emission Source: 00071

Emission Unit: T-00009
Process: 209 Emission Source: 00009

Emission Unit: T-00009
Process: 209 Emission Source: 00010

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

Item 27.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Within 180 days after the commencement of operation, facility shall conduct carbon monoxide (CO) emission testing applicable to one of the new Solar Mars 100-16002S4 turbines (ES-00071, ES-00009, ES-00010) per EPA approved stack testing method. CO emissions from the new Solar Mars 100-16002S4 turbines (ES-00071, ES-00009, ES-00010) are based on manufacturer's emission rate of 25 ppmv 15% O2.

The facility CO emissions from these turbines are based on an estimated oxidation catalyst control reduction efficiency of 95 percent. A report demonstrating compliance with the CO emission rate shall be submitted to the Department within 60 days of the test. Stack test protocol shall be submitted to the Department for approval at least 30 days prior to testing accordance with 6 NYCRR Part 202-1 with future testing at a minimum of once per permit term and/or at the discretion of the Department.

The facility shall keep records of the inspection and maintenance of the oxidation catalyst to be performed at a minimum according to manufacturer's recommendations. All records must be maintained on site for a minimum of five years.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 2.79 pounds per million cubic feet
Reference Test Method: EPA Approved Test Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 28: Compliance Certification

Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 28.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: T-00007
Process: 207 Emission Source: 00071

Emission Unit: T-00009
Process: 209 Emission Source: 00009

Emission Unit: T-00009
Process: 209 Emission Source: 00010

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

Item 28.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
NOx emissions for the new Solar Mars 100-16002S4 turbines (ES-00071, ES-00009, ES-00010) are based on manufacturer's emission rate of 9 pppmvd (15% O2) during steady state operation at 50-100% engine load at all ambient temperatures above 0 degrees F. The facility is not required to demonstrate compliance with the short-term emission limits stated herein during the initial shakedown period. Emissions during the initial shakedown period shall be counted towards the annual emission limits stated herein and prior to the initial compliance demonstration will be based on the 15 ppmvd (15% O2) emission factor. The shakedown period shall not extend beyond the required date for the initial performance tests as required by 40CFR 60.8, NSPS Subpart A. Compliance with this limit is required to ensure that the project NOx emissions potential from the turbines do not exceed 57.0 tpy defined in the project permit application and the emission reduction credits (ERC) needed to net out of Nonattainment New Source Review (NNSR) and Prevention of Significant Deterioration (PSD).

The turbine manufacturer's NOx emission rate of 9 pppmvd (15% O2) is more stringent than both 6 NYCRR Part 227-2.4 (e) (1) RACT limit of 50 ppmvd (15% O2) and NSPS 40 CFR 60 Subpart KKKK (60.4320(a)) limit of 25 ppmvd (15% O2). Given the more stringent limit and for streamlining, the RACT and NSPS limits are not included in the permit for

these emission sources.

The facility shall submit a report demonstrating compliance within 60 days of the test pursuant to 40CFR 60.4375(b). Stack test protocol shall be submitted to the Department for approval at least 30 days prior to testing accordance with 6 NYCRR Part 202-1 with future testing being performed according to 40 CFR 60.4340(a) testing frequency.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 9.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: See 40CFR 60.4400 methodologies
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Progress Reports Due Semiannually
Effective between the dates of 12/21/2015 and 12/20/2020

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

Item 29.1:
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 30: Air pollution prohibited
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR 211.1

Item 30.1:
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 31: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

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

Item 31.1:
The Compliance Certification activity will be performed for the Facility.

Item 31.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 32: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (e) (1)

Item 32.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: T-00007
Process: 107 Emission Source: 00007

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

Item 32.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
As an owner or operator of a combustion turbine of greater than 10 million BTU's per hour, the Algonquin Gas Stony Point Compressor Station must comply with a NOx emission limit of 50 ppm by volume (corrected to 15% oxygen). Compliance with this emission limits must be determined with a one hour average in accordance with section 227-2.6(a)(5) of this Subpart. The facility shall

conduct a performance test once during the term of the permit and must submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department. For stationary gas turbines, USEPA Method 20 from 40 CFR part 60, Appendix A must be utilized. A compliance test report containing the results of the emission test must be submitted to the department no later than 60 days after completion of the emission test.

Upper Permit Limit: 50 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: USEPA Method 20
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR 231-6.2

Item 33.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 33.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The project modification total PM2.5 emission based on the project emission potential for the three (3) new Solar Mars 100-16002S4 natural gas fired turbines ((ES-00071, ES-00009, ES-00010) and exempts sources (natural gas Waukesha emergency generator (G-00001), and two (2) natural gas Cameron heaters) is limited to 11.4. PM2.5 emission rates will be calculated as follows:

PM2.5 = PM2.5(T) + PM2.5(E)

PM2.5(T) = PM2.5 emissions from the 3 Mars 100-16002S4 turbines. Equipment specific monthly fuel firing rates, hours of start-up and shutdown, and hours of operation will be monitored and recorded. PM2.5 emission being

calculated based on the following:

$$PM2.5(T) = \sum_{i=1}^{12} M\,i = [(FC)x(EFss) + (NSU)x(ERsu) + (NSD)x(ERsd) + (LT1)x(ERt1) + (LT2)x(ERt2)] \times (1\ ton\ /(2000\ lbs))$$

PM2.5(T)= 12 Month (mth) rolling total emissions (tons /12 mth period)

i = The specific month of interest, where 12 corresponds to the previous month and 1 corresponds to the month 11 months prior to previous month.

FC = Fuel consumption during the month [million standard cubic feet (MMscf)/mth)]

NSU = Number of start-up events per month (startups/mth).

NSD = Number of shutdown events per month (shutdowns/mth).

LT1=Duration of turbine operation during the month when turbine inlet temperature was less than or equal to 0 degree F but greater than -20 degree F (hrs/mth).

LT2=Duration of turbine operation during the month when turbine inlet temperature was less than or equal to -20 degree F (hrs/mth).

EFss= Normal operations PM2.5 emission factor for ambient temperatures greater than 0 degree F or emission factor based on most recent stack test prior to the current month (lb/MMscf).

Prior to stack testing,
EFss equals 6.73 lb/MMscf
Based on an emission factor of 0.0066 lb/MMBtu from AP-42 Table 3.1-2a and a higher heating value (HHV) of 1020 BTU/ scf.

ERsu = Start-up PM2.5 emission factor (lb/event)
ERsu = 0.05 lb /event
Based on an manufacturer's data; emission factor from AP-42 Table 3.1-2a; and average annual ambient temperature.

ERsd = shutdown PM2.5 emission factor (lb/event).
ERsd = 0.05 lb/ event
Based on manufacturer's data; emission factor from AP-42 Table 3.1-2a; and average annual ambient temperature.

ERt1 = Normal operations PM2.5 emissions factor for ambient temperatures less than or equal to 0 degree F but greater than -20 degree F (lb/hr).
ERt1 = 0.98 lb/hr
Based on an emission factor of 0.0066 lb/MMBtu from AP-42 Table 3.1-2a and a higher heating value (HHV) of 1020 BTU/ scf; and an ambient temperature of -20 degree F.

ERt2=Normal operations PM2.5 emissions factor for ambient temperatures less than or equal to -20 degree F (lb/hr).

ERt2 = 0.98 lb/hr
Based on an emission factor of 0.0066 lb/MMBtu from AP-42 Table 3.1-2a and a higher heating value (HHV) of 1020 BTU/ scf; and an ambient temperature of -20 degree F.

The facility shall submit to the Department an annual turbine emission report for the previous calendar year by January 30th of each year. The report must include the monthly PM2.5 emissions and total PM2.5 emissions for each rolling 12-month period throughout the calendar year.

PM2.5 (E) = Exempt sources emission:

Generator= [10.2 (lb/MMscf) x monthly fuel consumption (MMscf)] / 2000 (lb/ton)
Based on AP 42 Emission Factor (Table 3.2-2).

Two Heaters = [7.6 (lb/MMscf) x monthly fuel consumption (MMscf)] / 2000 (lb/ton)
Based on AP 42 Emission Factor (Table 1.4-2).

The facility will apply 1.5 tpy of PM2.5 emission reduction credits (ERC) to limit its net emission increase to 9.9 tpy. ERC are being established under 6NYCRR Part 231-10 permit condition to net out of Nonattainment New Source Review.

Parameter Monitored: PM 2.5
Upper Permit Limit: 11.4 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR 231-6.2

Item 34.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 34.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:
The project modification total NOx emission based on the project emission potential for the three (3) new Solar Mars 100-16002S4 natural gas fired turbines ((ES-00071, ES-00009, ES-00010) and exempts sources (natural gas Waukesha emergency generator (G-00001), and two (2) natural gas Cameron heaters) is limited to 58.1 tpy during any twelve consecutive month period. Monthly NOx emission rates will be calculated as follows:

NOx = NOx(T) + NOx(E)

NOx(T) = NOx emissions from the 3 Mars 100-16002S4 turbines. Equipment specific monthly fuel firing rates, hours of start-up and shutdown, and hours of operation will be monitored and recorded. Monthly NOx emission rates from these turbines will be calculated as follows:

$$NOx(T) = \sum_{i=1}^{12} M_i = [(FC)x(EFss) + (NSU)x(ERsu) + (NSD)x(ERsd) + (LT1)x(ERt1) + (LT2)x(ERt2)] \text{ x (1 ton /(2000 lbs))}$$

NOx(T)= 12 Month (mth) rolling total emissions (tons /12 mth period)

i = The specific month of interest, where 12 corresponds to the previous month and 1 corresponds to the month 11

months prior to previous month.

FC = Fuel consumption during the month [million standard cubic feet (MMscf)/mth)]

NSU = Number of start-up events per month (startups/mth).

NSD = Number of shutdown events per month (shutdowns/mth).

LT1 = Duration of turbine operation during the month when turbine inlet temperature was less than or equal to 0 degree F but greater than -20 degree F (hrs/mth).

LT2 = Duration of turbine operation during the month when turbine inlet temperature was less than or equal to -20 degree F (hrs/mth).

EFss= Normal operations NOx emission factor for ambient temperatures greater than 0 degree F or emission factor based on most recent stack test prior to the current month (lb/MMscf).

Prior to stack testing,
EFss = 32.98 lb/MMscf
Based on manufacturer's guarantee 9 ppmvd @ 15 % oxygen and average annual temperature.

ERsu = Start-up NOx emission factor (lb/event)
ERsu = 1.47 lb /event
Based on manufacturer's data and average annual ambient temperature.

ERsd = shutdown NOx emission factor (lb/event).
ERsd = 1.69 lb/ event
Based on manufacturer's data; and average annual ambient temperature.

ERt1=Normal operations NOx emissions factor for ambient temperatures less than or equal to 0 degree F but greater than -20 degree F (lb/hr).
ERt1 = 22.6 lb/hr
Based on manufacturer's guarantee 42 ppmvd @ 15 % oxygen and an ambient temperature of -20 degree F.
(Manufacturer's guarantee is more stringent than Subpart KKKK 150 ppmvd at 15% O2 for turbine operation less than 0 degrees F.)

ERt2=Normal operations NOx emissions factor for ambient temperatures less than or equal to -20 degree F (lb/hr).

ERt2 = 64.5 lb/hr
Based on manufacturer's guarantee 120 ppmvd @ 15 % oxygen and an ambient temperature of -20 degree F.

The facility shall submit to the Department an annual turbine emission report for the previous calendar year by January 30th of each year. The report must include the monthly NOx emissions and total NOx emissions for each rolling 12-month period throughout the calendar year.

NOx (E) = Exempt sources emission:

Generator (G-00001) = [568.49 (lb/MMscf) x monthly fuel consumption (MMscf)] / 2000 (lb/ton) based on 40 CFR Part 60 NSPS Subpart JJJJ engine emission standards;

Two Heaters = [98.43 (lb/MMscf) x monthly fuel consumption (MMscf)] / 2000 (lb/ton) based on manufacturer emission data.

The facility will apply 33.2 tpy of NOx emission reduction credits (ERC) to limit its net emission increase to 24.9 tpy. ERC are being established under 6NYCRR Part 231-10 permit condition to net out of Nonattainment New Source Review.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 58.1 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR 231-6.2

Item 35.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 35.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

For the project modification, the total VOC emission based on the project emission potential for the three new Solar Mars 100-16002S4 natural gas fired turbines (ES 00071, ES-00009, ES-00010) , natural gas Waukesha emergency generator (G-00001) (exempt source) and other exempt sources is limited to 27.1 tpy during any twelve consecutive month period. VOC emission rates will be calculated as follows:

VOC = VOC(T) + VOC(E)

VOC(T) = VOC emissions from the 3 Mars 100-16002S4 turbines. Equipment specific monthly fuel firing rates, hours of start-up and shutdown, and hours of operation will be monitored and recorded. VOC emission from the turbines is limited to 7.1 tpy with monthly VOC emission being calculated based on the following:

$$VOC(T) = \sum_{i=1}^{12} M_i = [(FC)x(EFss) + (NSU)x(ERsu) + (NSD)x(ERsd) + (LT1)x(ERt1) + (LT2)x(ERt2)] \times (1 \text{ ton } /(2000 \text{ lbs}))$$

VOC(T)= 12 Month (mth) rolling total emissions (tons /12 mth period)

i = The specific month of interest, where 12 corresponds to the previous month and 1 corresponds to the month 11 months prior to previous month.

FC = Fuel consumption during the month [million standard cubic feet (MMscf)/mth)]

NSU = Number of start-up events per month (startups/mth).

NSD = Number of shutdown events per month (shutdowns/mth).

LT1 = Duration of turbine operation during the month when turbine inlet temperature was less than or equal to 0 degree F but greater than -20 degree F (hrs/mth).

LT2 = Duration of turbine operation during the month when

turbine inlet temperature was less than or equal to -20 degree F (hrs/mth).

EFss = Normal operations VOC emission factor for ambient temperatures greater than 0 degree F or emission factor based on most recent stack test prior to the current month (lb/MMscf).

Prior to stack testing,
EFss equals 3.49 lb/MMscf
Based on manufacturers guarantee of 25 ppmvd TOC @ 15 % oxygen; VOC and TOC emission factor from AP 42 Table 3.1-2a; 50 % destruction efficiency; and average annual ambient temperature.

ERsu = Start-up VOC emission factor (lb/event)
ERsu = 1.78 lb /event
Based on manufacturer's data; VOC and TOC emission factors from AP 42 Table 3.1-2a; and annual average temperature.

ERsd = shutdown VOC emission factor (lb/event).
ERsd = 0.97 lb/ event
Based on manufacturer's data; VOC and TOC emission factors from AP 42 Table 3.1-2a; 50 % destruction efficiency; and annual average temperature.

ERt1 = Normal operations VOC emissions factor for ambient temperatures less than or equal to 0 degree F but greater than -20 degree F (lb/hr).

ERt1 = 1.02 lb/hr
Based on manufacturer's guarantee of 50 ppmvd TOC @ 15% oxygen; VOC and TOC emission actors from AP 42 Table 3.1-2a; 50 % destruction efficiency; and ambient temperature of -20 degree F.

ERt2 = Normal operations VOC emissions factor for ambient temperatures less than or equal to -20 degree F (lb/hr).

ERt2 = 1.53 lb/hr
Based on manufacturer's recommendation of 75 ppmvd TOC @ 15% oxygen; VOC and TOC emission factors from AP 42 Table 3.1-2a; 50 % destruction efficiency; and ambient temperature of -20 degree F.

The facility shall submit to the Department an annual turbine emission report for the previous calendar year by January 30th of each year. The report must include the monthly VOC emissions and total VOC emissions for each rolling 12-month period throughout the calendar year.

VOC (E) = Exempt sources emission include, generator, heaters, washer, fugitives piping and gas release, tanks, and truck loading is limited to 20 tpy. Emission rates for the exempt sources are listed below:

Generator (G-00001) =0.6 tpy
Based on 40 CFR Part 60 NSPS Subpart JJJJ engine emission standards. Hours of operation and fuel usage will be monitored and recorded. VOC emission calculated based on [509.6 (lb/MMscf) x monthly fuel consumption (MMscf)] / 2000 (lb/ton);

Two Heaters = 0.2 tpy
Emission rate of [36.15 (lb/MMscf) x monthly fuel consumption (MMscf)] / 2000 (lb/ton) based on manufacturer emission data; fuel usage will be monitored and recorded;

Washer = 0.4 tpy
Based on 120 gal / solvent/yr and 1 lb VOC /lb solvent. The facility will maintain a record of the gallons of washer solvent used;

New fugitive piping emissions that are part of the project modification = 7.5 tpy
Based on EPA Protocol for Equipment Leak Emission Estimates, Table 2-4 leak emission factors for piping components. The facility shall maintain accurate records of the number and type of piping components actually installed and update such records when new fugitive piping emission sources are installed, removed, or replaced. Upon request, at the discretion of the Department, a copy of the facility piping design plan must be provided;

New fugitive gas release = 9.4 tpy
Based on the estimated rate of 2.15 lb/hr. The facility shall maintain a log of the number and duration of all gas releases.

Tank and truck loading =1.9 tpy.
Tanks emissions based on pipeline liquid tank flash analysis factor and USEPA's TANK 4.09d program for storage tanks. Truck loading emission losses based on AP-42 Section 5-2. The facility will maintain records not limited to the number, type, capacity and throughput of each tank.

On an annual basis, the facility will submit to the Department a summary of the exempt sources emission based

on the above factors. All records must be maintained on site for a minimum of five years.

The facility will apply 2.2 tpy of VOC emission reduction credits (ERC) to limit its net emission increase (NEI) to 24.9 tpy. ERC are being established under 6NYCRR Part 231-10 permit condition to net out of Nonattainment New Source Review (NNSR).

Parameter Monitored: VOC
Upper Permit Limit: 27.1 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 231-10

Item 36.1:
The Compliance Certification activity will be performed for the Facility.

Item 36.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility is establishing emission reduction credits (ERC) for the future permanent shutdown and removal of the 4 Clark TLA-8 natural gas fired reciprocating engines (emission units R00001, R00002, R00003, and R0004) and the Solar Mars 90 natural gas turbine emission source ES-00007 . The future ERC for the permanent shutdown of these engines shall occur prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service and be used to net out of Nonattainment New Source Review (NNSR) for NOx, VOC, and PM2.5 and for netting out of Prevention of Significant Deterioration (PSD) for NOx. The quantified and permanent ERC created for the shutting down of these emissions units are as followed:

NOx (tpy)
EU R00001, R00002, R00003, R00004, & ES 00007 = 41.4

VOC (tpy)
EU R00001, R00002, R00003, R00004, & ES 00007 = 10.0

PM2.5 (tpy)
EU R00001, R00002, R00003, R00004, & ES 00007 = 3.0

PM10 (tpy)
EU R00001, R00002, R00003, R00004, & ES 00007 = 3.0

SO2 (tpy)
EU R00001, R00002, R00003, R00004, & ES 00007 = 1.1

CO (tpy)
EU R00001, R00002, R00003, R00004, & ES 00007 = 24.2

CO2e (tpy)
EU R00001, R00002, R00003, R00004, & ES 00007 = 41,482.8

To net out of NNSR the following ERC are being applied:
NOx (tpy) = 33.2
VOC (tpy) = 2.2
PM2.5 (tpy) = 1.5

To net out of PSD the following ERC are being applied:
NOx (tpy) = 18.2

Potential future remaining ERC are as follow:
NOx (tpy) = 8.2
VOC (tpy) = 7.8
PM2.5 (tpy) = 1.5
SO2 (tpy) = 1.1
CO (tpy) = 24.2
CO2e (tpy) = 41,482.8

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 37.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-00001

Emission Unit: R-00002

Emission Unit: R-00003

Emission Unit: R-00004

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

Item 37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Combined emissions from R-00001, R-00002, R-00003 and R-0004 shall not exceed 293 tons of NOx during any twelve consecutive month period. Equipment specific monthly fuel records will be recorded and maintained. Emission Factor to be used is 1.40 lb/MMBTU.

Monitoring Frequency: CONTINUOUS
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.7, NSPS Subpart A

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

Item 38.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility will submit written notification of the date construction of each turbine commenced (ES 00071, ES 00009, ES 00010). The submittal will be postmarked by no later than 30 days after the commencement of construction dates. Per 40 CFR 60.7(a)(3), the submittal of the notifications of the actual dates of initial startup of the new turbines will be postmarked by no later than 15 days after the initial startup dates.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 39: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.334(h)(2), NSPS Subpart GG

Item 39.1:
The Compliance Certification activity will be performed for the Facility.

Item 39.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of any stationary gas turbine subject to the provisions of Subpart GG shall monitor the nitrogen content of the fuel combusted in the turbine, if the owner claims an allowance for fuel bound nitrogen (i.e. if an F-value greater than zero is being or will be used by the owner or operator to calculate STD in 40 CFR 60.332.

Fuel nitrogen content monitoring is not required for the Stony Point Compressor Station since the NOx standard was calculated using an F-value of zero.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 40: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.334(h)(3), NSPS Subpart GG

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

Item 40.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

> Notwithstanding the provisions of paragraph (h)(1) of 40 CFR 60.334(h), the owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in §60.331(u), regardless of whether an existing custom schedule approved by the administrator for subpart GG requires such monitoring. The owner or operator shall use one of the following sources of information to make the required demonstration:
>
> (i) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or
>
> (ii) Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to 40 CFR part 75 of this chapter is required.

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.4340(a), NSPS Subpart KKKK

Item 41.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 41.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
If the facility is not using water or steam injection to control NOx emissions, the facility must perform annual performance tests in accordance with §60.4400 to demonstrate continuous compliance. If the NOx emission result from the performance test is less than or equal to 75% of the NOx emission limit for the turbine, the facility may reduce the frequency of subsequent performance tests to once every two years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceeds 75% of the NOx emission limit for the turbine, the facility must resume annual performance tests.

Reference Test Method: See 40CFR 60.4400 methodologies
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.4365(a), NSPS Subpart KKKK

Item 42.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 42.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
In order to demonstrate continuous compliance with the applicable 0.060 lb /MMBtu potential SO2 emissions limit pursuant to 40 CFR 60.4330, the facility will utilize a current, valid purchase contract, tariff sheet or transportation contract for natural gas that will specify that the maximum total sulfur content of the natural gas used at the facility is less than 20 grains per 100 standard cubic feet.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 63, Subpart DDDDD

Item 43.1:
The Compliance Certification activity will be performed for the Facility.

Item 43.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The two new Cameron natural gas heaters rated at 0.4 MMBtu/hr and 0.8 MMBtu/hr (exempt emission sources) are subject to the applicable requirements of 40 CFR 63 Subpart DDDDD. As of the effective date of this permit, NYSDEC has not accepted delegation of this rule from EPA, and accordingly will not be monitoring compliance. The facility will for this rule (DDDDD), report directly to the Administrator. Compliance with the recordkeeping requirement of this condition will be satisfied with on-site recordkeeping demonstrating initial notification of rule applicability to the Administrator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 44: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 63.6095(d), Subpart YYYY

Item 44.1:
The Compliance Certification activity will be performed for the Facility.

Item 44.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Stay of standards for lean premix gas-fired combustion turbines. Must comply with initial notification requirements set forth in 63.6145 but need not comply with

any other requirement of this subpart until EPA takes final action to require compliance and publishes a document in the Federal Register. Initial notification must be submitted not later than 120 calendar days after becoming subject to this subpart.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 45: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 63.6645(f), Subpart ZZZZ

Item 45.1:
The Compliance Certification activity will be performed for the Facility.

Item 45.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
If the facility is required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with §63.6590(b), the notification should include the information in §63.9(b)(2)(i) through (v), and a statement that the stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 46: Emission Point Definition By Emission Unit
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 46.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: G-00001

Emission Point: G0001
Height (ft.): 11 Diameter (in.): 8
NYTMN (km.): 4566.073 NYTME (km.): 582.175 Building: AUX02

Item 46.2:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: R-00001

Emission Point: 00001
Height (ft.): 60 Diameter (in.): 28
NYTMN (km.): 4566.151 NYTME (km.): 582.173 Building: C001

Item 46.3:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: R-00002

Emission Point: 00002
Height (ft.): 60 Diameter (in.): 28
NYTMN (km.): 4566.141 NYTME (km.): 582.172 Building: C001

Item 46.4:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: R-00003

Emission Point: 00003
Height (ft.): 60 Diameter (in.): 28
NYTMN (km.): 4566.131 NYTME (km.): 582.173 Building: C001

Item 46.5:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: R-00004

Emission Point: 00004
Height (ft.): 60 Diameter (in.): 28
NYTMN (km.): 4566.12 NYTME (km.): 582.172 Building: C001

Item 46.6:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: T-00007

Emission Point: 00007
Height (ft.): 87 Diameter (in.): 84
NYTMN (km.): 4566.185 NYTME (km.): 582.161 Building: C002

Item 46.7:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: T-00008

Emission Point: 00081

Height (ft.): 46 Diameter (in.): 108
NYTMN (km.): 4566.148 NYTME (km.): 582.168 Building: C001

Emission Point: 00082
Height (ft.): 46 Diameter (in.): 108
NYTMN (km.): 4566.151 NYTME (km.): 582.168 Building: C001

Item 46.8:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: T-00009

Emission Point: 00010
Height (ft.): 87 Diameter (in.): 84
NYTMN (km.): 4566.131 NYTME (km.): 582.159 Building: C002

Emission Point: 00091
Height (ft.): 87 Diameter (in.): 84
NYTMN (km.): 4566.105 NYTME (km.): 582.157 Building: C002

Condition 47: Process Definition By Emission Unit
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 47.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-I0001
Process: E05 Source Classification Code: 2-88-888-01
Process Description:
Fugitive emissions from pipeline components and gas releases.

Emission Source/Control: E0001 - Process

Item 47.2:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00001
Process: 00G Source Classification Code: 2-01-002-02
Process Description:
Waukesha VGF24GL 585 bhp natural gas fired emergency genarator.

Emission Source/Control: EG001 - Combustion
Design Capacity: 585 brake horsepower

Item 47.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: R-00001

Process: 101 Source Classification Code: 2-03-002-01
Process Description:
One natural gas fired reciprocating compressor engine Clark model TLA-8. Process will end prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Emission Source/Control: 00001 - Combustion
Design Capacity: 22.8 million Btu per hour

Item 47.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: R-00002
Process: 102 Source Classification Code: 2-03-002-01
Process Description:
One natural gas fired reciprocating compressor engine Clark model TLA-8. Process will end prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Emission Source/Control: 00002 - Combustion
Design Capacity: 22.8 million Btu per hour

Item 47.5:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: R-00003
Process: 103 Source Classification Code: 2-03-002-01
Process Description:
One natural gas fired reciprocating compressor engine Clark model TLA-8. Process will end prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Emission Source/Control: 00003 - Combustion
Design Capacity: 22.8 million Btu per hour

Item 47.6:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: R-00004
Process: 104 Source Classification Code: 2-03-002-01
Process Description:
One natural gas fired reciprocating compressor engine Clark model TLA-8. Process will end prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Emission Source/Control: 00004 - Combustion
Design Capacity: 22.8 million Btu per hour

Item 47.7:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-00007
Process: 107 Source Classification Code: 2-03-002-01
Process Description:
One 97.7 MMBtu/hr Solar Mars 90-12000 gas turbine. Process and associated emission source (ES 00007) to be ended and removed prior to startup of the new emission source (ES 00071).

Emission Source/Control: 00007 - Combustion
Design Capacity: 97.7 million Btu per hour

Item 47.8:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-00007
Process: 207 Source Classification Code: 2-03-001-02
Process Description:
One Solar Mars 100-16002S4 natural gas turbine operating at temperature above 0 F at all operating loads. Design capacity is representative of operating at the annual average temperature.

Emission Source/Control: 00071 - Combustion
Design Capacity: 131 million Btu per hour

Emission Source/Control: OCAT1 - Control
Control Type: OXIDATION CATALYST

Emission Source/Control: SNOX1 - Control
Control Type: DRY LOW NOx BURNER

Item 47.9:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-00007
Process: T07 Source Classification Code: 2-03-001-02
Process Description:
One Solar Mars 100-16002S4 natural gas turbine operating at temperatures below 0 F at all operating loads. Design capacity is representative of operating at the annual average temperature with an approximate heat input of 149 MMBtu/hr for operating at -20 degrees F.

Emission Source/Control: 00071 - Combustion
Design Capacity: 131 million Btu per hour

Emission Source/Control: OCAT1 - Control
Control Type: OXIDATION CATALYST

Emission Source/Control: SNOX1 - Control
Control Type: DRY LOW NOx BURNER

Item 47.10:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-00008
Process: 108 Source Classification Code: 2-03-002-02
Process Description:
Two Solar Taurus 60-07802S3 turbines operating at temperatures above 0 degrees F when operating at loads at or above 75 percent peak load.

Emission Source/Control: 00081 - Combustion
Design Capacity: 73.28 million Btu per hour

Emission Source/Control: 00082 - Combustion
Design Capacity: 73.28 million Btu per hour

Item 47.11:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-00008
Process: T08 Source Classification Code: 2-03-002-02
Process Description:
Two Solar Taurus 60-07802S3 turbines operating at temperatures at or below 0 degrees F or at operating loads below 75 percent peak load.

Emission Source/Control: 00081 - Combustion
Design Capacity: 73.28 million Btu per hour

Emission Source/Control: 00082 - Combustion
Design Capacity: 73.28 million Btu per hour

Item 47.12:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-00009
Process: 209 Source Classification Code: 2-03-002-02
Process Description:
Two Solar Mars 100-16002S4 natural gas turbines operating at temperatures above 0 F at all operating loads. Design capacity is representative of operating at the annual average temperature.

Emission Source/Control: 00009 - Combustion
Design Capacity: 131 million Btu per hour

Emission Source/Control: 00010 - Combustion
Design Capacity: 131 million BTUs per hour

Emission Source/Control: OXCAT - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SLNOX - Control
Control Type: DRY LOW NOx BURNER

Item 47.13:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-00009
Process: T09 Source Classification Code: 2-03-002-02
Process Description:
Two Solar Mars 100-16002S4 natural gas turbines operating at temperatures below 0 F at all operating loads. Design capacity is representative of operating at the annual average temperature with an approximate heat input of 149 MMBtu/hr for operating at -20 degrees F.

Emission Source/Control: 00009 - Combustion
Design Capacity: 131 million Btu per hour

Emission Source/Control: 00010 - Combustion
Design Capacity: 131 million BTUs per hour

Emission Source/Control: OXCAT - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SLNOX - Control
Control Type: DRY LOW NOx BURNER

Condition 48: Emission Unit Permissible Emissions
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 48.1:
The sum of emissions from all regulated processes specified in this permit for the emission unit cited
shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: T-00007

CAS No: 000630-08-0
Name: CARBON MONOXIDE
PTE(s): 49,900 pounds per year

Emission Unit: T-00009

CAS No: 000630-08-0
Name: CARBON MONOXIDE
PTE(s): 99,800 pounds per year

Emission Unit: T-00008

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 61,400 pounds per year

Condition 49: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.4243(b)(2)(ii), NSPS Subpart JJJJ

Item 49.1:
The Compliance Certification activity will be performed for:

Emission Unit: G-00001

Item 49.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a stationary SI internal combustion engine greater than 500 HP must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the owner or operator must conduct an initial performance test and subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 50: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.4233(e), NSPS Subpart JJJJ

Item 50.1:
The Compliance Certification activity will be performed for:

Emission Unit: G-00001
Process: 00G Emission Source: EG001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 50.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards listed below for their stationary SI ICE.

In addition, an initial performance test must be performed within 1 year of the engines initial startup and then conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Upper Permit Limit: 4 grams per brake horsepower-hour
Reference Test Method: EPA RM 10
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)
Initial Report Due: 07/20/2016 for the period 12/21/2015 through 06/20/2016

Condition 51: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.4233(e), NSPS Subpart JJJJ

Item 51.1:
The Compliance Certification activity will be performed for:

Emission Unit: G-00001
Process: 00G Emission Source: EG001

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

Item 51.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards listed below for their stationary SI ICE.

In addition, an initial performance test must be performed within 1 year of the engines initial startup and then conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Upper Permit Limit: 2 grams per brake horsepower-hour
Reference Test Method: EPA RM 7E
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)
Initial Report Due: 07/20/2016 for the period 12/21/2015 through 06/20/2016

Condition 52: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.4233(e), NSPS Subpart JJJJ

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

Emission Unit: G-00001
Process: 00G Emission Source: EG001

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

Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards listed below for their stationary SI ICE.

In addition, an initial performance test must be performed within 1 year of the engines initial startup and then conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Upper Permit Limit: 1 grams per brake horsepower-hour
Reference Test Method: EPA RM 18 or 25A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)
Initial Report Due: 07/20/2016 for the period 12/21/2015 through 06/20/2016

Condition 53: Test methods and procedures
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ

Item 53.1:
This Condition applies to Emission Unit: G-00001
Process: 00G Emission Source: EG001

Item 53.2:

Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of 40 CFR 60.4244, including :

- Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart.

- The performance tests shall not be conducted during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If the stationary SI internal combustion engine is non-operational, the facility does not need to startup the engine solely to conduct a performance test, but must conduct the performance test immediately upon startup of the engine.

- The facility conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

Condition 54: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.4245(a), NSPS Subpart JJJJ

Item 54.1:
The Compliance Certification activity will be performed for:

Emission Unit: G-00001
Process: 00G Emission Source: EG001

Item 54.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Owners or operators of stationary SI ICE that are subject

to the provisions of 40 CFR Subpart JJJJ must meet the following notification, reporting and recordkeeping requirements.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 55: Compliance Certification
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.4245(c), NSPS Subpart JJJJ

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

Emission Unit: G-00001
Process: 00G Emission Source: EG001

Item 55.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in §60.4231 must submit an initial notification as required in §60.7(a)(1). The notification must include the following:

(1) Name and address of the owner or operator;

(2) The address of the affected source;

(3) Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;

(4) Emission control equipment; and

(5) Fuel used.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 56: Performance test requirements
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.4245(d), NSPS Subpart JJJJ

Item 56.1:
This Condition applies to Emission Unit: G-00001
Process: 00G Emission Source: EG001

Item 56.2: Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed.

Condition 57: Capping Monitoring Condition
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 57.1:
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 231-8

Item 57.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 57.3:
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 57.4:
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 57.5:
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 57.6:
The Compliance Certification activity will be performed for:

Emission Unit: T-00007

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

Item 57.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The new Solar Mars 100-16002S4 natural gas-fired turbine, designated as emission source 00071, CO emission rate is limited to 24.95 tpy during any twelve consecutive month period. This limitation serve to ensure that the facility's CO emission increase for the 3 new turbines (ES-00071, ES-00009 and ES-00010) are below significant net emission increase threshold of 100 tpy. Monthly CO emission rates for the Solar Mars 100-16002S4 will be calculated as follows:

CO (T) = CO emissions from the Solar Mars 100-16002S4

Equipment specific monthly fuel firing rates, hours of start-up and shutdown, and hours of operation will be monitored and recorded.

$$CO(T) = \sum_{i=1}^{12} M_i = [(FC)x(EFss) + (NSU)x(ERsu) + (NSD)x(ERsd) + (LT1)x(ERt1) + (LT2)x(ERt2)] \times (1 \text{ ton} / (2000 \text{ lbs}))$$

CO(T)= 12 Month (mth) rolling total emissions (tons /12 mth period)

i = The specific month of interest, where 12 corresponds

to the previous month and 1 corresponds to the month 11 months prior to previous month.

FC = Fuel consumption during the month [million standard cubic feet (MMscf)/mth)]

NSU = Number of start-up events per month (startups/mth).

NSD = Number of shutdown events per month (shutdowns/mth).

LT1 = Duration of turbine operation during the month when turbine inlet temperature was less than or equal to 0 degree F but greater than -20 degree F (hrs/mth).

LT2 = Duration of turbine operation during the month when turbine inlet temperature was less than or equal to -20 degree F (hrs/mth).

EFss= Normal operations CO emission factor for ambient temperatures greater than 0 degree F or emission factor based on most recent stack test prior to the current month (lb/MMscf).

Prior to stack testing,
EFss = 2.79 lb/MMscf
Based on manufacturer's guarantee of 25 ppmvd CO @ 15% oxygen; 95% destruction efficiency; and average annual ambient temperature.

ERsu = Start-up CO emission factor (lb/event)
ERsu = 142.19 lb/event
Based on manufacturer's data and average annual ambient temperature.

ERsd = shutdown CO emission factor (lb/event).
ERsd = 7.71 lb/event
Based on manufacturer's data; 95% destruction efficiency; and average annual ambient temperature.

ERt1=Normal operations CO emissions factor for ambient temperatures less than or equal to 0 degree F but greater than -20 degree F (lb/hr).
ERt1 = 1.13 lb/hr
Based on manufacturer's guarantee 100 ppmvd @ 15 % oxygen; 95% destruction efficiency; and an ambient temperature of -20 degree F.

ERt2=Normal operations CO emissions factor for ambient temperatures less than or equal to -20 degree F

(lb/hr).
ERt2 = 2.45 lb/hr
Based on manufacturer's guarantee 150 ppmvd @ 15 % oxygen; 95% destruction efficiency; and an ambient temperature of -20 degree F.

The facility shall submit to the Department an annual emission report for the previous calendar year by January 30th of each year. The report must include the monthly CO emissions and total CO emissions for each rolling 12-month period throughout the calendar year.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 24.95 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 58: Capping Monitoring Condition
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 58.1:
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 231-2.4

Item 58.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 58.3:
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 58.4:
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 58.5:
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 58.6:
The Compliance Certification activity will be performed for:

Emission Unit: T-00008

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

Item 58.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Total NOx emissions from the two (2) Solar Taurus 60-7802S3 compressor turbines (Emission Sources 00081 and 00082) shall not exceed 30.7 tons of NOx during any twelve consecutive month period. Equipment specific monthly fuel firing rates, hours of start-up and shutdown, and hours of operation will be monitored and recorded. Monthly NOx emission rates from these turbines will be calculated as follows:

$$NOx(T) = \sum_{i=1}^{12} M_i = [(FC)x(EFss) + (NSU)x(ERsu) + (NSD)x(ERsd) + (LT1)x(ERt1) + (LT2)x(ERt2)] \times (1 \text{ ton} / (2000 \text{ lbs}))$$

Where:

NOx(T)= 12 Month (mth) rolling total emissions (tons /12 mth period)

i = The specific month of interest, where 12 corresponds to the previous month and 1 corresponds to the month 11 months prior to previous month.

FC = Fuel consumption during the month [million standard cubic feet (MMscf)/mth)]

NSU = Number of start-up events per month

(startups/mth).

NSD = Number of shutdown events per month (shutdowns/mth).

LT1 = Duration of turbine operation during the month when turbine inlet temperature was less than or equal to 0 degree F but greater than -20 degree F (hrs/mth).

LT2 = Duration of turbine operation during the month when turbine inlet temperature was less than or equal to -20 degree F (hrs/mth).

EFss= Normal operations NOx emission factor for ambient temperatures greater than 0 degree F or emission factor based on most recent stack test prior to the current month (lb/MMscf).

Prior to stack testing,
EFss = 55 lb/MMscf
Based on manufacturer's guarantee of 15 ppmvd @ 15% oxygen; and average annual ambient temperature.

ERsu = Start-up NOx emission factor (lb/event)
ERsu = 0.77 lb/event
Based on manufacturer's data and average annual ambient temperature.

ERsd = Shutdown NOx emission factor (lb/event)
ERsd = 0.37 lb/event
Based on manufacturer's data and average annual ambient temperature.

ERt1=Normal operations NOx emissions factor for ambient temperatures less than or equal to 0 degree F but greater than -20 degree F (lb/hr).
ERt1 = 11.36 lb/hr
Based on manufacturer's guarantee 42 ppmvd @ 15 % oxygen and an ambient temperature of -20 degree F.
(Manufacturer's guarantee is more stringent than Subpart KKKK 150 ppmvd at 15% O2 for turbine operation less than 0 degrees F.)

ERt2=Normal operations NOx emissions factor for ambient temperatures less than or equal to -20 degree F (lb/hr).

ERt2 = 32.46 lb/hr
Based on manufacturer's recommendation of 120 ppmvd @ 15 % oxygen and an ambient temperature of -20 degree F.

The facility shall submit to the Department an annual emission report for the previous calendar year by January

30th of each year. The report must include the monthly NOx emissions and total NOx emissions for each rolling 12-month period throughout the calendar year.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 30.7 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 59: Required performance test information.
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:40CFR 60.8(c), NSPS Subpart A

Item 59.1:
This Condition applies to Emission Unit: T-00008

Item 59.2:
Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operate of the facility.

Condition 60: Capping Monitoring Condition
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 60.1:
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 231-8

Item 60.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 60.3:
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 60.4:
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 60.5:
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 60.6:
The Compliance Certification activity will be performed for:

Emission Unit: T-00009

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

Item 60.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The new Solar Mars 100-16002S4 natural gas-fired turbines, designated as emission sources 00009 and 00010, CO emission rate is limited to 49.9 tpy during any twelve consecutive month period. This limitation serve to ensure that the facility's CO emission increase for the 3 new turbines (ES-00071, ES-00009 and ES-00010) are below significant net emission increase threshold of 100 tpy. Monthly CO emission rates for the each of the Solar Mars 100-16002S4 will be calculated as follows:

CO (T) = CO emissions from the Solar Mars 100-16002S4

Equipment specific monthly fuel firing rates, hours of start-up and shutdown, and hours of operation will be monitored and recorded.

$$CO(T) = \sum_{i=1}^{12} M_i = [(FC)x(EFss) + (NSU)x(ERsu) + (NSD)x(ERsd) + (LT1)x(ERt1) + (LT2)x(ERt2)] \times (1 \text{ ton} / (2000 \text{ lbs}))$$

CO(T)= 12 Month (mth) rolling total emissions (tons /12 mth period)

i = The specific month of interest, where 12 corresponds to the previous month and 1 corresponds to the month 11 months prior to previous month.

FC = Fuel consumption during the month [million standard cubic feet (MMscf)/mth)]

NSU = Number of start-up events per month (startups/mth).

NSD = Number of shutdown events per month (shutdowns/mth).

LT1 = Duration of turbine operation during the month when turbine inlet temperature was less than or equal to 0 degree F but greater than -20 degree F (hrs/mth).

LT2 = Duration of turbine operation during the month when turbine inlet temperature was less than or equal to -20 degree F (hrs/mth).

EFss= Normal operations CO emission factor for ambient temperatures greater than 0 degree F or emission factor based on most recent stack test prior to the current month (lb/MMscf).

Prior to stack testing,
EFss = 2.79 lb/MMscf
Based on manufacturer’s guarantee of 25 ppmvd CO @ 15% oxygen; 95% destruction
efficiency; and average annual ambient
temperature.

ERsu = Start-up CO emission factor (lb/event)
ERsu = 142.19 lb/event
Based on manufacturer's data and average annual ambient temperature.

ERsd = shutdown CO emission factor (lb/event).
ERsd = 7.71 lb/event
Based on manufacturer's data; 95% destruction efficiency; and average annual ambient temperature.

ERt1=Normal operations CO emissions factor for ambient temperatures less than or equal to 0 degree F but greater than -20 degree F (lb/hr).
ERt1 = 1.13 lb/hr
Based on manufacturer's guarantee 100 ppmvd @ 15 % oxygen;

95% destruction efficiency; and an ambient temperature of -20 degree F.

ERt2=Normal operations CO emissions factor for ambient temperatures less than or equal to -20 degree F (lb/hr).
ERt2 = 2.45 lb/hr
Based on manufacturer's guarantee 150 ppmvd @ 15 % oxygen; 95% destruction efficiency; and an ambient temperature of -20 degree F.

The facility shall submit to the Department an annual emission report for the previous calendar year by January 30th of each year. The report must include the monthly CO emissions and total CO emissions for each rolling 12-month period throughout the calendar year.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 49.9 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

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

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

Item A: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

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

Condition 61: Contaminant List
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable State Requirement:ECL 19-0301

Item 61.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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

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

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

CAS No: 0NY075-02-5
Name: PM 2.5

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

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

Condition 62: Malfunctions and start-up/shutdown activities
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable State Requirement:6 NYCRR 201-1.4

Item 62.1:
(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 63: Visible Emissions Limited
Effective between the dates of 12/21/2015 and 12/20/2020

Applicable State Requirement:6 NYCRR 211.2

Item 63.1:
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.