

Facility DEC ID: 3335600136

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: CHRISTOPHER M HOGAN
 625 BROADWAY
 ALBANY, NY 12233

Authorized Signature: _____ Date: ___ / ___ / _____

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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.

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DEC GENERAL CONDITIONS

**** General Provisions ****

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3

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

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CPV VALLEY LLC
8403 Colesville Rd Ste 915
Silver Spring, MD 20910

Facility: CPV VALLEY ENERGY CENTER
3330 ROUTE 6
MIDDLETOWN, NY 10940

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

Permit Effective Date:

Permit Expiration Date:

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- 37 45 6 NYCRR 231-5.4: Compliance Certification
- 38 46 6 NYCRR 231-5.5: Compliance Certification
- 38 47 6 NYCRR 231-5.5: Compliance Certification
- 39 48 6 NYCRR 231-7.5: Compliance Certification
- 39 49 6 NYCRR 231-7.6: Compliance Certification
- 40 50 6 NYCRR 231-7.6: Compliance Certification
- 41 51 6 NYCRR 231-7.6: Compliance Certification
- 42 52 6 NYCRR 231-7.6: Compliance Certification
- 42 53 6 NYCRR 231-7.6: Compliance Certification
- 43 54 6 NYCRR 231-7.6: Compliance Certification
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- 50 63 6 NYCRR 231-7.6: Compliance Certification
- 51 64 6 NYCRR 231-7.6: Compliance Certification
- 52 65 6 NYCRR 231-7.6: Compliance Certification
- 52 66 6 NYCRR 231-7.6: Compliance Certification
- 53 67 6 NYCRR 231-7.6: Compliance Certification
- 54 68 6 NYCRR 231-7.6: Compliance Certification
- 55 69 6 NYCRR 231-7.6: Compliance Certification
- 56 70 6 NYCRR 231-7.6: Compliance Certification
- 56 71 6 NYCRR 231-11.1: Compliance Certification
- 57 72 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 58 73 40CFR 60, NSPS Subpart IIII: Applicability
- 58 74 40CFR 60, NSPS Subpart KKKK: Applicability
- 58 75 40CFR 60.4375, NSPS Subpart KKKK: Compliance Certification
- 59 76 40CFR 60.4395, NSPS Subpart KKKK: Reporting requirements
- 59 77 40CFR 63, Subpart ZZZZ: Applicability
- 59 78 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting
- 60 79 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 61 80 40CFR 97.606, Subpart CCCCC: Compliance Certification
- 62 81 40CFR 97, Subpart EEEEE: Compliance Certification
- Emission Unit Level**
- 63 82 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 64 83 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

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- 70 84 ECL 19-0301: Contaminant List
- 71 85 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 72 86 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 72 87 6 NYCRR 242-1.5: Compliance Demonstration
- 73 88 6 NYCRR 242-1.5: Compliance Demonstration
- 74 89 6 NYCRR Subpart 242-4: Compliance Demonstration
- 76 90 6 NYCRR 242-8.5: Compliance Demonstration
- 78 91 6 NYCRR 251.3 (a): Compliance Demonstration

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78 92 6 NYCRR 251.6 (d): Compliance Demonstration
Emission Unit Level

EU=U-00001,EP=EP001,Proc=P1A,ES=CT001

79 93 6 NYCRR 251.3 (a): Compliance Demonstration

EU=U-00002,EP=EP002,Proc=P01,ES=CT002

80 94 6 NYCRR 251.3 (a): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.

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FEDERALLY ENFORCEABLE CONDITIONS****** Facility Level ********NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

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

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

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

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

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

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

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

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planned changes or anticipated noncompliance does not stay any permit condition.

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

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

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

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

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

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

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

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

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

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

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- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

- i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

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

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

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Item K: Permit Exclusion - ECL 19-0305
 The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

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

**Condition 1: Acceptable Ambient Air Quality
 Effective for entire length of Permit**

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

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Effective for entire length of Permit

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 for entire length of Permit**

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 for entire length of Permit**

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 for entire length of Permit**

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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

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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

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

Condition 6: Compliance Certification
Effective for entire length of Permit

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

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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 – Air Compliance Branch
 USEPA Region 2 DECA/ACB
 290 Broadway, 21st Floor
 New York, NY 10007

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 1/30/2020.
 Subsequent reports are due on the same day each year

Condition 7: Compliance Certification

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements
Effective for entire length of Permit**

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 for entire length of Permit**

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

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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 for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 200.7

Permit ID: 3-3356-00136/00010

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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 for entire length of Permit****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 for entire length of Permit****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 for entire length of Permit****Applicable Federal Requirement:6 NYCRR 201-3.2 (a)****Item 13.1:**

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

**Condition 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit****Applicable Federal Requirement:6 NYCRR 201-3.3 (a)****Item 14.1:**

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

Condition 15: Requirement to Provide Information

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Effective for entire length of Permit

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

Item 15.1:

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

**Condition 16: Right to Inspect
Effective for entire length of Permit**

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

Item 16.1:

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 17: Off Permit Changes
Effective for entire length of Permit**

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

Item 17.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the

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Facility DEC ID: 3335600136

facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

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

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

**Condition 18: Required Emissions Tests
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

**Condition 19: Accidental release provisions.
Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

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

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

Condition 20: Recycling and Emissions Reduction

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Facility DEC ID: 3335600136

Effective for entire length of Permit

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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

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

**Condition 21: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 200.7

Item 21.1:

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

Emission Unit: U-00001 Process: P1A	Emission Point: EP001 Emission Source: CT001
Emission Unit: U-00001 Process: P2A	Emission Point: EP001 Emission Source: CT001
Emission Unit: U-00001 Process: P3A	Emission Point: EP001 Emission Source: CT001
Emission Unit: U-00002 Process: P01	Emission Point: EP002 Emission Source: CT002
Emission Unit: U-00002 Process: P02	Emission Point: EP002 Emission Source: CT002
Emission Unit: U-00002 Process: P03	Emission Point: EP002 Emission Source: CT002
Regulated Contaminant(s): CAS No: 007664-41-7	AMMONIA

Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility will maintain a 5.0 ppmvd (corrected to 15% O2) limit while firing each any fuel and during duct burner operation. This emission limit applies at all loads except during startup, shutdown, and fuel switching. The

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facility will operate, calibrate, and maintain CEMs to monitor and record Ammonia stack emissions.

Manufacturer Name/Model Number: Teledyne T200M
 Parameter Monitored: AMMONIA
 Upper Permit Limit: 5.0 parts per million by volume
 (dry, corrected to 15% O2)
 Reference Test Method: 40 CFR 75 & 40 CFR 60, Appendices A/B/F
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 3-HOUR BLOCK AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

**Condition 22: Emission Unit Definition
 Effective for entire length of Permit**

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: U-00001

Emission Unit Description:

One Siemens SGT6-5000 F-Class combustion turbine which has a nominal rating of 1,998 mmBtu/hr at 51 °F (2,234 mmBtu/hr at -5 °F on natural gas and 2,145 mmBtu/hr at -5 °F on fuel oil (<0.0015% sulfur)). The turbine is equipped with dry low-NOx combustors, steam with water injection, SCR and oxidation catalyst emission controls. This emission unit also contains a natural gas-fired duct burner rated at a nominal capacity of 500 mmBtu/hr.

Building(s): ACC01
 GEN01
 HRSG01

Item 22.2:

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

Emission Unit: U-00002

Emission Unit Description:

One Siemens SGT6-5000 F-Class combustion turbine which has a nominal rating of 1,998 mmBtu/hr at 51 °F (2234 mmBtu/hr at -5 °F on natural gas and 2,145 mmBtu/hr at -5 °F on fuel oil (<0.0015% sulfur)). The turbine is equipped with dry low-NOx combustors, steam with water injection, SCR and oxidation catalyst emission controls. This emission unit also contains a natural gas-fired duct burner rated at a maximum capacity of 500 mmBtu/hr.

Building(s): ACC02
 GEN02
 HRSG02

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Facility DEC ID: 3335600136

Item 22.3:

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

Emission Unit: U-00003

Emission Unit Description:

One auxiliary boiler with a nominal rating of 48.1 mmBtu/hr that will fire natural gas exclusively. The boiler hours will be limited to 2,000 hours per year. The boiler will operate primarily to assist with startups and shutdowns of the turbine.

Building(s): GEN02

Item 22.4:

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

Emission Unit: U-00004

Emission Unit Description:

Emergency Diesel Generator, with a rated output of 1495 bhp, operating less than 500 hours per year.

Building(s): DGB01

Item 22.5:

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

Emission Unit: U-00005

Emission Unit Description:

Emergency Fire Pump Diesel Engine with a rated output of 282 bhp.

Building(s): FPB01

Item 22.6:

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

Emission Unit: U-00006

Emission Unit Description:

One Dew Point Heater with Two Fuel Gas Burners.

**Condition 23: Compliance Certification
Effective for entire length of Permit**

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: U-00001

Emission Point: EP001

Process: P3A

Emission Unit: U-00002

Emission Point: EP002

Process: P03

Item 23.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must observe the stack of each combustion turbine once per day for visible emissions while firing fuel oil. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow). The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission points
- weather conditions
- was a plume observed?

Incident weather conditions shall be recorded for those days when the observations are prohibited. This logbook must be retained at the facility for a minimum of five years after the date of the last entry.

If the operator observes any visible emissions (other than steam – see below) while firing oil, then a Method 9 analysis (based upon a 6-minute average) of the affected emission point(s) must be conducted. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one consecutive business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

Monitoring Frequency: DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 24.1:

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 24.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility will not exceed the annual diesel fuel oil usage limit of 22,100,000 gallons during each 12-month period in order to maintain compliance with emissions limits. Records of the oil usage must be reported to the Department and must be kept onsite for a minimum of five years.

Parameter Monitored: FUEL CONSUMPTION

Upper Permit Limit: 22100000 gallons

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 25: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 25.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00003

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The hours of operation for the auxiliary boiler is limited to 2,000 hours per year. Records demonstrating compliance with this requirement must be kept onsite for a minimum of five years and must be made available to the Department upon request.

Monitoring Frequency: ANNUALLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Progress Reports Due Semiannually

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Effective for entire length of Permit

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

Item 26.1:

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 27: Facility Permissible Emissions
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 27.1:

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

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

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

PTE: 190,000 pounds per year

**Condition 28: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 28.1:

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 231-5

Item 28.2:

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

Item 28.3:

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

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Item 28.4:

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 28.5:

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 28.6:

The Compliance Certification activity will be performed for the Facility.

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

Item 28.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Monthly facility-wide emissions of PM-2.5 will be calculated as the sum of monthly PM-2.5 emissions from individual emission units or source groups. Emissions will be calculated based on heat input (or, equivalently, from fuel use) and using emission factors as described below. Annual facility-wide emissions will then be determined at the end of each month on a rolling 12-month basis in order to demonstrate compliance with the 95 ton per year cap.

Unit Op Load Factor	Fuel	Grp	Emission
CT only >80%	Gas	1	0.0056
CT only <80%	Gas	2	0.0073
CT + DB >80%	Gas	3	0.0064
CT only >85%	Oil	4	0.0236
CT only <85%	Oil	5	0.0361
Aux Boiler All	Gas	6	0.0063
Gas Heater All	Gas	7	0.0076
EDG All	Oil	8	0.0195
EFP All	Oil	9	0.0374

In cases where the fuel use (gallons of oil or standard cubic feet of gas) for a source group is monitored directly rather than heat input, the equivalent heat input will be determined by multiplying the monthly fuel usage

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for the source group by the corresponding fuel heating value (mmBtu/gallon or mmBtu/scf), using the higher heating value basis for fuel.

Parameter Monitored: PM 2.5
 Upper Permit Limit: 95 tons per year
 Monitoring Frequency: MONTHLY
 Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 29: Visible Emissions Limited
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 211.2

Item 29.1:
 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.

Condition 30: Compliance Certification
Effective for entire length of Permit

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

Item 30.1:
 The Compliance Certification activity will be performed for the Facility.

Item 30.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

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

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

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

Condition 31: Compliance Certification
Effective for entire length of Permit

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

Item 31.1:

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

Emission Unit: U-00001 Process: P1A	Emission Point: EP001
Emission Unit: U-00001 Process: P2A	Emission Point: EP001
Emission Unit: U-00002 Process: P01	Emission Point: EP002
Emission Unit: U-00002 Process: P02	Emission Point: EP002
Emission Unit: U-00003 Process: P3B	Emission Point: EP003
Emission Unit: U-00006 Process: P06	Emission Point: EP006

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (based on a six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The applicant will conduct a Method 9 test annually. A report of the results of the test will be submitted to the Department within 30 days of the completion of the Method 9 test. All records generated by the permittee will be maintained at the facility for a minimum of five years.

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Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: Method 9
 Monitoring Frequency: ANNUALLY
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 32: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 227-2.4 (d)

Item 32.1:

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

Emission Unit: U-00005 Emission Point: EP005

Emission Unit: U-00006 Emission Point: EP006

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

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: ANNUALLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 12 calendar month(s).

Condition 33: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-5.3

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

This facility is subject to the Lowest Achievable Emission Rate (LAER) requirements of 6 NYCRR 231-5. The facility-wide PTE for each applicable non-attainment contaminant is:

NOx: 183.2 tpy
 VOC: 63.5 tpy

Monitoring Frequency: UPON REQUEST OF REGULATORY AGENCY
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 34: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 34.1:

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

Emission Unit: U-00003 Emission Point: EP003
 Process: P3B Emission Source: AUX01

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy LAER requirements, the auxiliary boiler while firing natural gas will not exceed a VOC emission limit of 0.0038 lb/mmBtu based on the Higher Heating Value (HHV) of the natural gas. Stack testing will be conducted once per permit term to demonstrate compliance with the emission limit.

Parameter Monitored: VOC

Upper Permit Limit: 0.0038 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 25A, Method 18

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 35: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 35.1:

The Compliance Certification activity will be performed for the facility:

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

The Compliance Certification applies to:

Emission Unit: U-00005 Emission Point: EP005
 Process: P05

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:

To satisfy LAER requirements, the fire pump engine will not exceed a VOC emission limit of 0.123 g/hp-hr. The facility will demonstrate compliance with this limit by using good combustion practices. Emission testing will be performed upon request of the Department.

Parameter Monitored: VOC

Upper Permit Limit: 0.123 grams per brake
 horsepower-hour

Reference Test Method: EPA Method 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
 DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 36: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: EP001
 Process: P1A

Emission Unit: U-00001 Emission Point: EP001
 Process: P2A

Emission Unit: U-00002 Emission Point: EP002
 Process: P01

Emission Unit: U-00002 Emission Point: EP002
 Process: P02

Regulated Contaminant(s):

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

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

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

To satisfy LAER requirements, each combustion turbine when firing natural gas (with and without the duct burners) will not exceed a NOx emission limit of 2.0 ppmvd (corrected to 15% O2). This emission limit applies at all loads except during start up, shutdown, and fuel switching. The facility will demonstrate compliance with this limit using CEMs to monitor NOx stack emissions.

Manufacturer Name/Model Number: Teledyne T200M

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: 40 CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 37: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 231-5.4

Item 37.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: EP001
Process: P3A	Emission Source: CT001

Emission Unit: U-00002	Emission Point: EP002
Process: P03	Emission Source: CT002

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

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

To satisfy LAER requirements, each combustion turbine firing fuel oil will not exceed a NOx emission limit of 6.0 ppmvd (corrected to 15% O2). This emission limit applies at all loads except during start up, shutdown, and

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

fuel switching. The facility will demonstrate compliance with this limit using CEMs to monitor NO_x stack emissions.

Manufacturer Name/Model Number: Teledyne T200M
 Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 6.0 parts per million by volume
 (dry, corrected to 15% O₂)
 Reference Test Method: 40 CFR 75
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 3-HOUR BLOCK AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

Condition 38: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-5.4

Item 38.1:

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

Emission Unit: U-00004 Emission Point: EP004
 Process: P04

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

Item 38.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy LAER requirements, the emergency generator will not exceed a VOC emission limit of 0.172 g/hp-hr. The facility will demonstrate compliance with this limit using good combustion practices. Emissions testing to be performed upon request of the Department.

Parameter Monitored: VOC
 Upper Permit Limit: 0.172 grams per brake
 horsepower-hour
 Reference Test Method: EPA Method 25A
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
 DESCRIPTION
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Condition 39: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 39.1:

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

Emission Unit: U-00006 Emission Point: EP006
 Process: P06

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

Item 39.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy LAER requirements, the dew point heater with two fuel gas burners will not exceed a VOC emission limit of 0.011 lb/mmBtu. The facility will demonstrate compliance with this limit by using good combustion practices. The facility will demonstrate compliance with the emission limit by stack testing once per permit term. The Department has the right to require further testing in order to verify compliance.

Parameter Monitored: VOC
 Upper Permit Limit: 0.011 pounds per million Btus
 Reference Test Method: EPA Method 25A
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 40: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 40.1:

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

Emission Unit: U-00004 Emission Point: EP004
 Process: P04

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

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Item 40.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy LAER requirements, the emergency generator will not exceed a NOx emission limit of 4.04 g/hp-hr. The facility will demonstrate compliance with this limit by using good combustion practices. Emissions testing to be performed upon request of the Department.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 4.04 grams per brake horsepower-hour

Reference Test Method: EPA Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 41: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Emission Point: EP005

Process: P05

Regulated Contaminant(s):

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

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy LAER requirements, the fire pump engine will not exceed a NOx emission limit of 2.20 g/hp-hr. The facility will demonstrate compliance with this limit by using good combustion practices. Emission testing will be performed upon request of the Department.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.20 grams per brake horsepower-hour

Reference Test Method: EPA Method 7E

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 42: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 42.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Emission Point: EP006

Process: P06

Regulated Contaminant(s):

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

Item 42.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy LAER requirements, the dew point heater with two fuel gas burners will not exceed a NOx emission limit of 0.058 lb/mmBtu for each individual gas heater. The facility will demonstrate compliance with this limit by using a forced draft low NOx Burner. Emission testing will be performed upon request of the Department.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.058 pounds per million Btus

Reference Test Method: EPA Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 43: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 231-5.4

Item 43.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Emission Unit: U-00001 Emission Point: EP001
 Process: P2A Emission Source: CT001

Emission Unit: U-00002 Emission Point: EP002
 Process: P02 Emission Source: CT002

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

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy LAER requirements, each combustion turbine firing natural gas (with duct burners) will not exceed a VOC emission limit of 1.8 ppmvd (corrected to 15% O₂). Stack testing will be conducted once per permit term to demonstrate compliance with the emission limit.

Parameter Monitored: VOC

Upper Permit Limit: 1.8 parts per million by volume
 (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix A, Method 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 44: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 231-5.4

Item 44.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: EP001
 Process: P1A Emission Source: CT001

Emission Unit: U-00001 Emission Point: EP001
 Process: P3A Emission Source: CT001

Emission Unit: U-00002 Emission Point: EP002
 Process: P01 Emission Source: CT002

Emission Unit: U-00002 Emission Point: EP002
 Process: P03 Emission Source: CT002

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

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy LAER requirements, each combustion turbine firing natural gas (without duct burners) or fuel oil will not exceed a VOC emission limit of 0.7 ppmvd (corrected to 15% O₂) based upon Higher Heating Value (HHV) of the natural gas and fuel oil. Stack testing will be conducted once per permit term to demonstrate compliance with the emission limit.

Parameter Monitored: VOC

Upper Permit Limit: 0.7 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60, Appendix A, Method 25A, Method 18

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 45: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 231-5.4

Item 45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00003

Emission Point: EP003

Process: P3B

Emission Source: AUX01

Regulated Contaminant(s):

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy LAER requirements, the auxiliary boiler firing natural gas will not exceed a NO_x emission limit of 0.0490 lb/mmBtu based upon Higher Heating Value (HHV) of the natural gas. Stack testing will be conducted once per permit term to demonstrate compliance with the emission limit.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.0490 pounds per million Btus

Reference Test Method: 40 CFR 60, Appendix A, Method 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 46: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-5.5

Item 46.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility's potential to emit Volatile Organic Compounds (VOC) is 65 tons per year. VOC emissions must be offset at a ratio of 1.15 to 1. A total of 75 tons of offsets is required. Therefore, the facility has obtained 75 tons of VOC emission reduction credits in accordance with Part 231-5.2 (d), from the following facilities:

Arbill Incorporated
2207 West Glenwood Avenue, Philadelphia, PA
17.0 tpy

S. Walter Packaging Corp (f/k/a Uniflex Holding, Inc)
474 Grand Blvd, Westbury, NY 11590
DEC ID# 1-2822-00367
58.0 tpy

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 47: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-5.5

Item 47.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Monitoring Description:

The facility's potential to emit NOx is 187 tons per year. NOx emissions must be offset at a ratio of 1.15 to 1. A total of 216 tons of offsets is required. Therefore, the facility has obtained 216 tons of NOx emission reduction credits in accordance with Part 231-5.2 (d), from the following facility:

Sony Electronics, Inc.
777 Technology Dr., Mt. Pleasant, PA
216.0 tpy

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 48: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-7.5

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility is subject to the Best Available Control Technology (BACT) requirements of 6 NYCRR 231-7.5. The facility-wide PTE for each applicable contaminant is:

NOx: 183.2 tpy
CO: 341.9 tpy
SO2: 41.4 tpy
PM: 95 tpy
PM2.5: 95 tpy
PM10: 95 tpy
H2SO4: 12.6 tpy
CO2e: 2,178,017 tpy

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 49: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-7.6

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Item 49.1:

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

Emission Unit: U-00003 Emission Point: EP003
Process: P3B Emission Source: AUX01

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

To satisfy BACT requirements, the auxiliary boiler firing natural gas will not exceed a particulate matter and PM-10 emission limit of 0.0063 lb/mmBtu based on the Higher Heating Value (HHV) of the natural gas. The facility will verify compliance with this emission limit by stack testing once per permit term. The Department has the right to require further stack testing in order to verify compliance.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.0063 pounds per million Btus
Reference Test Method: EPA RM 5, 201A/201, and 202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 50: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 50.1:

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

Emission Unit: U-00001 Emission Point: EP001
Process: P3A

Emission Unit: U-00002 Emission Point: EP002
Process: P03

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

Item 50.2:

Compliance Certification shall include the following monitoring:

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy BACT requirements, each combustion turbine firing fuel oil will not exceed a sulfur dioxide emission limit of 0.0015 lb/mmBtu. This limit will be achieved through use of low sulfur fuels. Emission testing to be performed within 180 days of startup. Following initial testing, the facility will demonstrate compliance with the emission limit by stack testing once per permit term. The Department has the right to require further testing in order to verify compliance.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 0.0015 pounds per million Btus

Reference Test Method: EPA Approved

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 51: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005 Emission Point: EP005
 Process: P05

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

Item 51.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy BACT requirements, the fire pump engine will not exceed a sulfur dioxide emission limit of 0.00483 g/hp-hr. The facility will demonstrate compliance with this limit by using low sulfur fuel. Emission testing will be performed at the request of the Department.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 0.00483 grams per brake
 horsepower-hour

Reference Test Method: EPA Approved Methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
 DESCRIPTION

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 52.1:

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

Emission Unit: U-00005 Emission Point: EP005
Process: P05

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

Item 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy BACT requirements, the fire pump engine will not exceed a particulate matter and PM-10 emission limit of 0.118 g/hp-hr. The facility will demonstrate compliance with this limit by using low sulfur fuel. Emission testing will be performed at the request of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.118 grams per brake
horsepower-hour
Reference Test Method: EPA Method 201/201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 53.1:

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

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

using good combustion controls. Emission testing to be performed at the request of the Department.

Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 0.45 grams per brake horsepower-hour
 Reference Test Method: EPA Method 10
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 55: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 55.1:

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

Emission Unit: U-00004 Emission Point: EP004
 Process: P04

Emission Unit: U-00005 Emission Point: EP005
 Process: P05

Regulated Contaminant(s):
 CAS No: 007664-93-9 SULFURIC ACID

Item 55.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy BACT requirements, the emergency generator and fire pump engine will not exceed a sulfuric acid emission limit of 0.00009 g/hp-hr. The facility will demonstrate compliance with this limit by using low sulfur fuel. Emission testing will be performed at the request of the Department.

Parameter Monitored: SULFURIC ACID
 Upper Permit Limit: 0.00009 grams per brake horsepower-hour
 Reference Test Method: EPA approved methods
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

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

Condition 56: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 56.1:

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

Emission Unit: U-00006 Emission Point: EP006
 Process: P06

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

Item 56.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy BACT requirements, the dew point heater will not exceed a CO emission limit of 0.084 lb/mmBtu. The facility will demonstrate compliance with the limit by using good combustion practices. Emission testing will be performed upon request of the Department.

Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 0.084 pounds per million Btus
 Reference Test Method: EPA Method 10
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 57.1:

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

Emission Unit: U-00003 Emission Point: EP003
 Process: P3B

Emission Unit: U-00006 Emission Point: EP006
 Process: P06

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Regulated Contaminant(s):
 CAS No: 007664-93-9 SULFURIC ACID

Item 57.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy BACT requirements, the auxiliary boiler and dew point heater will not exceed a sulfuric acid emission limit of 0.0002 lb/mmBtu at all loads. The facility will demonstrate compliance with this limit by using low sulfur fuel. Emissions testing will be required at the request of the Department.

Parameter Monitored: SULFURIC ACID
 Upper Permit Limit: 0.0002 pounds per million Btus
 Reference Test Method: EPA Approved Methods
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 58: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 58.1:

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

Emission Unit: U-00003 Emission Point: EP003
 Process: P3B Emission Source: AUX01

Regulated Contaminant(s):
 CAS No: 007664-93-9 SULFURIC ACID

Item 58.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy BACT requirements, each combustion turbine, the duct burners, the auxiliary boiler, and the dew point heater will not fire natural gas with a sulfur content greater than 0.8 grains/100 scf. The sulfur content of the natural gas will be verified through a certification or

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analysis provided by the fuels supplier and monitored by the facility. The facility must keep the records onsite for a minimum of five years and must be made available to the Department upon request.

Parameter Monitored: SULFUR CONTENT
 Upper Permit Limit: 0.8 grains per 100 dscf
 Reference Test Method: ASTM 5504
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 59: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 59.1:

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

Emission Unit: U-00001 Process: P1A	Emission Point: EP001
Emission Unit: U-00001 Process: P2A	Emission Point: EP001
Emission Unit: U-00002 Process: P01	Emission Point: EP002
Emission Unit: U-00002 Process: P02	Emission Point: EP002
Emission Unit: U-00003 Process: P3B	Emission Point: EP003
Emission Unit: U-00006 Process: P06	Emission Point: EP006
Regulated Contaminant(s): CAS No: 007446-09-5	SULFUR DIOXIDE

Item 59.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy BACT requirements, each combustion turbine while firing natural gas (with and without the duct burners), the auxiliary boiler, and the dew point heater

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will not exceed a sulfur dioxide emission limit of 0.0022 lb/mmBtu. The facility will demonstrate compliance with this limit by using low sulfur fuel. The facility will demonstrate compliance with the emission limit by stack testing once per permit term. The Department has the right to require further testing in order to verify compliance.

Parameter Monitored: SULFUR DIOXIDE
 Upper Permit Limit: 0.0022 pounds per million Btus
 Reference Test Method: EPA Approved Methods
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 60.1:

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

Emission Unit: U-00001	Emission Point: EP001
Process: P3A	Emission Source: CT001
Emission Unit: U-00002	Emission Point: EP002
Process: P03	Emission Source: CT002

Regulated Contaminant(s):
 CAS No: 007664-93-9 SULFURIC ACID

Item 60.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy BACT requirements, each combustion turbine while firing fuel oil will not exceed a sulfuric acid mist emission limit of 0.0005 lb/mmBtu. The facility will demonstrate compliance with the emission limit by maintaining compliance with the fuel oil sulfur limit of 0.0015%. The sulfur content of the fuel will be certified by the vendor and monitored by the facility. All records must be kept onsite for a minimum of five years and must be made available to the Department upon request.

Parameter Monitored: SULFUR CONTENT
 Upper Permit Limit: 0.0015 percent by weight

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Reference Test Method: ASTM D 2880-71
 Monitoring Frequency: PER DELIVERY
 Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 61: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 61.1:

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

Emission Unit: U-00001	Emission Point: EP001
Process: P1A	Emission Source: CT001
Emission Unit: U-00002	Emission Point: EP002
Process: P01	Emission Source: CT002

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy BACT requirements, the facility will have a heat rate of 7605 Btu/kW-hr (HHV) or less at ISO conditions without duct burner firing to achieve a design thermal efficiency. An initial Heat Rate test was performed to ensure compliance with this value. The Department will also allow the facility to prove compliance by using Certified Fuel Meters and CEMs to perform the annual heat rate test. The Department has the right to require additional testing in order to verify compliance.

Parameter Monitored: HEAT RATE
 Upper Permit Limit: 7605 BTU per kilowatt-hour
 Reference Test Method: Department Approved as Per Description
 Monitoring Frequency: ANNUALLY
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 62: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 62.1:

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

Emission Unit: U-00004 Emission Point: EP004
Process: P04

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

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy BACT requirements, the emergency generator will not exceed a particulate matter and PM-10 emission limit of 0.06 g/hp-hr. The facility will not exceed this limit by using low sulfur fuel. Emission testing will be performed at the request of the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.06 grams per brake horsepower-hour

Reference Test Method: EPA Method 201/201A and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 63: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 63.1:

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

Emission Unit: U-00003 Emission Point: EP003
Process: P3B Emission Source: AUX01

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

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy BACT requirements, the auxiliary boiler firing natural gas will not exceed a CO emission limit of 0.0824 lb/mmBtu based upon the Higher Heating Value (HHV) of the natural gas. The facility will use vendor emission

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guarantees and/or stack testing to ensure compliance with the emission limit, as required by the Department.

Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 0.0824 pounds per million Btus
 Reference Test Method: 40 CFR Part 60, Appendix A, Method 10
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 64: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 64.1:

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

Emission Unit: U-00001 Process: P1A	Emission Point: EP001 Emission Source: CT001
Emission Unit: U-00001 Process: P2A	Emission Point: EP001 Emission Source: CT001
Emission Unit: U-00002 Process: P01	Emission Point: EP002 Emission Source: CT002
Emission Unit: U-00002 Process: P02	Emission Point: EP002 Emission Source: CT002
Regulated Contaminant(s): CAS No: 0NY075-00-5	PM-10
CAS No: 0NY075-00-0	PARTICULATES

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy BACT requirements, each combustion turbine with and without the duct burner will not exceed a particulate matter and PM-10 emission limit of 0.0073 lb/mmBtu based upon Higher Heating Value (HHV) of the natural gas. The facility will demonstrate compliance with the emission limit by stack testing once per permit term. The Department has the right to require further testing in order to verify compliance.

Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.0073 pounds per million Btus
 Reference Test Method: EPA RM 5, 201/201A or 202
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

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Facility DEC ID: 3335600136

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 65: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 65.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: EP001
 Process: P1A

Emission Unit: U-00001 Emission Point: EP001
 Process: P2A

Emission Unit: U-00002 Emission Point: EP002
 Process: P01

Emission Unit: U-00002 Emission Point: EP002
 Process: P02

Regulated Contaminant(s):
 CAS No: 007664-93-9 SULFURIC ACID

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy BACT requirements, each combustion turbine while firing natural gas will not exceed the sulfuric acid emission limit of 0.0007 lb/mmBtu. This limit will be achieved through use of low sulfur fuels. Emission testing to be performed within 180 days of startup. Following initial testing, the facility will demonstrate compliance with the emission limit by stack testing once per permit term. The Department has the right to require further testing in order to verify compliance.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 0.0007 pounds per million Btus

Reference Test Method: EPA Approved

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 66: Compliance Certification
Effective for entire length of Permit

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Applicable Federal Requirement:6 NYCRR 231-7.6

Item 66.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: EP001
Process: P3A	Emission Source: CT001

Emission Unit: U-00002	Emission Point: EP002
Process: P03	Emission Source: CT002

Regulated Contaminant(s):

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

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To satisfy BACT requirements, each combustion turbine firing fuel oil will not exceed a particulate matter and PM-10 emission limit of 0.0368 lb/mmBtu based upon Higher Heating Value (HHV) of the fuel oil. The facility will demonstrate compliance with the emission limit by stack testing once per permit term. The Department has the right to require further testing in order to verify compliance.

Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.0368 pounds per million Btus
 Reference Test Method: EPA RM 5, 201/201A or 202
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 67: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 67.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: EP001
Process: P1A	Emission Source: CT001

Emission Unit: U-00001	Emission Point: EP001
Process: P3A	Emission Source: CT001

Emission Unit: U-00002	Emission Point: EP002
Process: P01	Emission Source: CT002

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Emission Unit: U-00002 Emission Point: EP002
 Process: P03 Emission Source: CT002

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

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

To satisfy BACT requirements, each combustion turbine firing natural gas (without duct burners) or fuel oil will not exceed a CO emission limit of 2.0 ppmvd (corrected to 15% O₂) based upon the Higher Heating Value (HHV) of the natural gas and fuel oil. This emission limit applies at all loads except during startup, shutdown, and fuel switching. The facility will use CEMs to monitor CO stack emissions.

Manufacturer Name/Model Number: Teledyne T300M

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 2.0 parts per million by volume
 (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR 60 Appendices B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 68: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 68.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: EP001
 Process: P2A Emission Source: CT001

Emission Unit: U-00002 Emission Point: EP002
 Process: P02 Emission Source: CT002

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

Item 68.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

To satisfy BACT requirements, each combustion turbine (with duct burner) will not exceed a CO emission limit of 3.4 ppmvd (corrected to 15% O₂) based upon the Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup, shutdown, and fuel switching. The facility will use CEMs to monitor CO stack emissions.

Manufacturer Name/Model Number: Teledyne T300M

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 3.4 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR 60 Appendices B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 69: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-7.6

Item 69.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Emission Point: EP005

Process: P05

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 69.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy BACT requirements, the fire pump engine will not exceed a CO emission limit of 1.42 g/hp-hr. The facility will demonstrate compliance with this limit by using good combustion practices. Emission testing will be performed at the request of the Department.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 1.42 grams per brake horsepower-hour

Reference Test Method: EPA Method 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-7.6

Item 70.1:

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

Emission Unit: U-00006 Emission Point: EP006
 Process: P06

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

Item 70.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To satisfy BACT requirements, the dew point heater will not exceed a particulate matter and PM-10 emission limit of 0.0076 lb/mmBtu. This emission limit will be achieved by using low sulfur fuel. The facility will demonstrate compliance with the emission limit by stack testing once per permit term. The Department has the right to require further testing in order to verify compliance.

Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.0076 pounds per million Btus
 Reference Test Method: EPA Method 201/201A and 202
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 71: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-11.1

Item 71.1:

The Compliance Certification activity will be performed for the Facility.

Item 71.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner and/or operator must develop start-up, shutdown, and fuel switching emission limits for NO_x, CO, and NH₃ for the combustion turbines.

These limits will be based on 15 start-ups, 15 shutdowns, and 15 fuel switches. If 15 start-ups, 15 shutdowns, and/or 15 fuel switches do not occur within one year of commercial operation of the facility, the owner and/or operator will be required to submit start-up, shutdown and fuel switch data, with an application for permit modification once the required start-ups, shutdowns, and/or fuel switches occur.

If the required start-ups, shutdowns, and/or fuel switches do not occur prior to the initial Title V permit renewal application due date of 18 months prior to the Title V permit expiration date, the owner and/or operator will be required to develop and submit start-up, shutdown and fuel switch emission limits as part of the renewal application.

These limits will be based on the available start-up, shutdown and fuel switch data at this due date regardless of the number of occurrences of start-ups, shutdowns, and/or fuel switches.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 72: EPA Region 2 address.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 72.1:

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

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

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

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

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determine the fuel sulfur content under this subpart, you must submit reports of excess emissions and monitor downtime, in accordance with §60.7(c). Excess emissions must be reported for all periods of unit operation, including start-up, shutdown, and malfunction.

(b) For each affected unit that performs annual performance tests in accordance with §60.4340(a), you must submit a written report of the results of each performance test before the close of business on the 60th day following the completion of the performance test.

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

Condition 76: Reporting requirements
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.4395, NSPS Subpart KKKK

Item 76.1:
This Condition applies to:

Emission Unit: U00001

Emission Unit: U00002

Item 76.2: All reports required under §60.7(c) must be postmarked by the 30th day following the end of each 6-month period.

Condition 77: Applicability
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 77.1:
Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.

Condition 78: Facility Subject to Title IV Acid Rain Regulations and Permitting
Effective for entire length of Permit

Applicable Federal Requirement:40 CFR Part 72

Item 78.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

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**Condition 79: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 97.406, Subpart AAAAA

Item 79.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- (2) The facility, and the designated representative, of each TR NOx Annual source (facility) and each TR NOx Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

- (3) The emissions data determined shall be used to calculate allocations of TR NOx Annual allowances and to determine compliance with the TR NOx Annual emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOx Annual facility and each TR NOx Annual Unit at the facility shall hold, in

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the facilities compliance account, TR NO_x Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NO_x emissions for such control period from all TR NO_x Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 80: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 80.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 81: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 97, Subpart EEEEE

Item 81.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.813 through 97.818 of Subpart EEEEE. The facility shall notify the Department of this representative (and alternate) with contact information upon issuance of this permit and when any changes are made to the representative (or alternate) or their contact information.

(2) The facility, and the designated representative, of each CSAPR NOx Ozone Season source (facility) and each CSAPR NOx Ozone Season Unit at the facility must comply with the monitoring, reporting, and recordkeeping requirements of §§97.830 through 97.835 of Subpart EEEEE and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality assurance of the data; and certification of

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compliance of such data. Data from continuous emission monitoring equipment are to be submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are to be submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of CSAPR NOx Ozone Season allowances and to determine compliance with the CSAPR NOx Ozone Season emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NOx Ozone Season facility and each CSAPR NOx Ozone Season Unit at the facility shall hold, in the facilities compliance account, CSAPR NOx Ozone Season allowances available for deduction for such control period under §97.824(a) in an amount not less than the tons of total NOx emissions for such control period from all CSAPR NOx Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 82: Emission Point Definition By Emission Unit Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 82.1:

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

Emission Unit: U-00001

Emission Point: EP001

Height (ft.): 275 Diameter (in.): 228
 NYTMN (km.): 4584.693 NYTME (km.): 546.98

Item 82.2:

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

Emission Unit: U-00002

Emission Point: EP002

Height (ft.): 275 Diameter (in.): 228
 NYTMN (km.): 4584.655 NYTME (km.): 546.991

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Item 82.3:

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

Emission Unit: U-00003

Emission Point: EP003

Height (ft.): 275 Diameter (in.): 228
 NYTMN (km.): 4584.655 NYTME (km.): 546.991

Item 82.4:

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

Emission Unit: U-00004

Emission Point: EP004

Height (ft.): 50 Diameter (in.): 18
 NYTMN (km.): 4584.651 NYTME (km.): 547.129

Item 82.5:

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

Emission Unit: U-00005

Emission Point: EP005

Height (ft.): 50 Diameter (in.): 6
 NYTMN (km.): 4584.58 NYTME (km.): 546.958

Item 82.6:

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

Emission Unit: U-00006

Emission Point: EP006

Height (ft.): 50 Diameter (in.): 6
 NYTMN (km.): 4584.669 NYTME (km.): 546.815

**Condition 83: Process Definition By Emission Unit
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 83.1:

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

Emission Unit: U-00001

Process: P1A

Source Classification Code: 2-01-002-01

Process Description:

Process P1A represents natural gas firing in the Siemens SGT6-5000 Class-F combustion turbine. Dry low-NOx combustion technology, selective catalytic reduction (SCR), and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC.

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Emission Source/Control: CT001 - Combustion
 Design Capacity: 2,234 million Btu per hour

Emission Source/Control: DLN01 - Control
 Control Type: DRY LOW NOx BURNER

Emission Source/Control: OXY01 - Control
 Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
 Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 83.2:

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

Emission Unit: U-00001
 Process: P2A Source Classification Code: 2-01-002-01
 Process Description:

Process P2A represents combined natural gas firing in the Siemens SGT6-5000 Class-F combustion turbine and natural gas firing with in the duct burner. Dry low-NOx combustion technology, selective catalytic reduction (SCR), and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC.

Emission Source/Control: CT001 - Combustion
 Design Capacity: 2,234 million Btu per hour

Emission Source/Control: DB001 - Combustion
 Design Capacity: 500 million Btu per hour

Emission Source/Control: DLN01 - Control
 Control Type: DRY LOW NOx BURNER

Emission Source/Control: OXY01 - Control
 Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
 Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 83.3:

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

Emission Unit: U-00001
 Process: P3A Source Classification Code: 2-01-001-01
 Process Description:

Process 3A represents fuel oil firing in the Class-F combustion turbine. Dry low-NOx combustion technology, steam or water injection, selective catalytic reduction (SCR), and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC.

Emission Source/Control: CT001 - Combustion

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Design Capacity: 2,234 million Btu per hour

Emission Source/Control: DLN01 - Control
Control Type: DRY LOW NOx BURNER

Emission Source/Control: OXY01 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: ST101 - Control
Control Type: STEAM OR WATER INJECTION

Item 83.4:

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

Emission Unit: U-00002
Process: P01 Source Classification Code: 2-01-002-01
Process Description:

Process P01 represents natural gas firing in the Siemens SGT6-5000 Class-F combustion turbine. Dry low-NOx combustion technology, selective catalytic reduction (SCR), and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC.

Emission Source/Control: CT002 - Combustion
Design Capacity: 2,234 million Btu per hour

Emission Source/Control: DLN02 - Control
Control Type: DRY LOW NOx BURNER

Emission Source/Control: OXY02 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 83.5:

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

Emission Unit: U-00002
Process: P02 Source Classification Code: 2-01-002-01
Process Description:

Process P02 represents combined natural gas firing in the Siemens SGT6-5000 Class-F combustion turbine and natural gas firing with the duct burner. Dry low-NOx combustion technology, selective catalytic reduction (SCR), and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC.

Emission Source/Control: CT002 - Combustion
Design Capacity: 2,234 million Btu per hour

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Emission Source/Control: DB002 - Combustion
 Design Capacity: 500 million Btu per hour

Emission Source/Control: DLN02 - Control
 Control Type: DRY LOW NOx BURNER

Emission Source/Control: OXY02 - Control
 Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR02 - Control
 Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 83.6:

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

Emission Unit: U-00002
 Process: P03 Source Classification Code: 2-01-001-01
 Process Description:

Process P03 represents fuel oil firing in the Siemens SGT6-5000 Class-F combustion technology. Dry low-NOx combustion technology, steam or water injection, selective catalytic reduction (SCR), and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC.

Emission Source/Control: CT002 - Combustion
 Design Capacity: 2,234 million Btu per hour

Emission Source/Control: DLN02 - Control
 Control Type: DRY LOW NOx BURNER

Emission Source/Control: OXY02 - Control
 Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR02 - Control
 Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: ST102 - Control
 Control Type: STEAM OR WATER INJECTION

Item 83.7:

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

Emission Unit: U-00003
 Process: P3B Source Classification Code: 1-02-006-02
 Process Description:

Process P3B represents natural gas firing in the auxiliary boiler.

Emission Source/Control: AUX01 - Combustion
 Design Capacity: 48.1 million Btu per hour

Emission Source/Control: FGR01 - Control

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Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: LNB01 - Control

Control Type: LOW NOx BURNER

Item 83.8:

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

Emission Unit: U-00004

Process: P04

Source Classification Code: 2-01-002-01

Process Description:

Process P04 represents the emergency generator firing on diesel fuel.

Emission Source/Control: EG001 - Combustion

Design Capacity: 10.08 million BTUs per hour

Item 83.9:

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

Emission Unit: U-00005

Process: P05

Source Classification Code: 2-01-002-01

Process Description:

Process P05 represents one fire pump engine operating on diesel fuel.

Emission Source/Control: FP001 - Combustion

Design Capacity: 1.96 million Btu per hour

Item 83.10:

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

Emission Unit: U-00006

Process: P06

Source Classification Code: 2-01-002-01

Process Description:

Process P06 represents one 9.0 mmBtu/hr dew point heater with two fuel gas burners operating on natural gas.

Emission Source/Control: FGH01 - Combustion

Design Capacity: 9 million Btu per hour

Emission Source/Control: FHG02 - Combustion

Design Capacity: 5.02 million Btu per hour

STATE ONLY ENFORCEABLE CONDITIONS

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

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

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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 84: Contaminant List
Effective for entire length of Permit

Applicable State Requirement: ECL 19-0301

Item 84.1:

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

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

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

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

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 007664-93-9
Name: SULFURIC ACID

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

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

CAS No: 0NY075-02-5

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Name: PM 2.5

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY750-00-0

Name: CARBON DIOXIDE EQUIVALENTS

CAS No: 0NY998-00-0

Name: VOC

**Condition 85: Malfunctions and start-up/shutdown activities
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 201-1.4

Item 85.1:

- (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.

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**Condition 86: CO2 Budget Trading Program - Excess emission requirements
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 242-1.5

Item 86.1:

The owners and operators of a CO2 budget source that has excess emissions in any control period shall:

- (1) forfeit the CO2 allowances required for deduction under 6 NYCRR Part 242-6.5(d)(1), provided CO2 offset allowances may not be used to cover any part of such excess emissions; and
- (2) pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR Part 242-6.5(d)(2).

**Condition 87: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 242-1.5

Item 87.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 87.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators and, to the extent applicable, the CO2 authorized account representative of each CO2 budget source and each CO2 budget unit at the source shall comply with the monitoring requirements of Subpart 242-8. The emissions measurements recorded and reported in accordance with Subpart 242-8 of this Part shall be used to determine compliance by the unit with the following CO2 requirements:

- (1) The owners and operators of each CO2 budget source and each CO2 budget unit at the source shall hold CO2 allowances available for compliance deductions under Section 242-6.5, as of the CO2 allowance transfer deadline, in the source's compliance account in an amount not less than the total CO2 emissions for the control period from all CO2 budget units at the source, as determined in accordance with Subparts 242-6 and 242-8.
- (2) Each ton of CO2 emitted in excess of the CO2 budget emissions limitation shall constitute a separate violation of this Part and applicable state law.
- (3) A CO2 budget unit shall be subject to the requirements specified in item 1 starting on the later, of January 1, 2009 or the date on which the unit commences

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operation.

(4) CO2 allowances shall be held in, deducted from, or transferred among CO2 Allowance Tracking System accounts in accordance with Subparts 242-5, 242-6, and 242-7, and Section 242-10.7.

(5) A CO2 allowance shall not be deducted, in order to comply with the requirements specified in item 1, for a control period that ends prior to the allocation year for which the CO2 allowance was allocated. A CO2 offset allowance shall not be deducted, in order to comply with the requirements under item 1, beyond the applicable percent limitations set out in 6NYCRR Part 242-6.5(a)(3).

(6) A CO2 allowance under the CO2 Budget Trading Program is a limited authorization by the Department or a participating state to emit one ton of CO2 in accordance with the CO2 Budget Trading Program. No provision of the CO2 Budget Trading Program, the CO2 budget permit application, or the CO2 budget permit or any provision of law shall be construed to limit the authority of the Department or a participating state to terminate or limit such authorization.

(7) A CO2 allowance under the CO2 Budget Trading Program does not constitute a property right.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 88: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 242-1.5

Item 88.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 88.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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end of 10 years, in writing by the department.

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

(ii) All emissions monitoring information, in accordance with Subpart 242-8 and 40 CFR 75.57.

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 89: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR Subpart 242-4

Item 89.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 89.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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Annual Compliance Certification Report:

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

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

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

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

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

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

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

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

(3) whether all the CO₂ emissions from the units at the source were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported

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in the quarterly reports in accordance with Subpart 242-8 of this Part. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 90: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 242-8.5

Item 90.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 90.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

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

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

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

(d) Quarterly reports. The CO₂ authorized account representative shall submit quarterly reports, as follows:

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

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

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

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

**Condition 91: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 251.3 (a)

Item 91.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Regulated Contaminant(s):
CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

Item 91.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility is required to not exceed an emission rate of 925 pounds of CO₂ per MW hour gross electrical output (output-based limit). These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO₂ emissions over the relevant 12-month period by the annual total (gross) MW generated (output-based limit).

Manufacturer Name/Model Number: Teledyne T300M

Upper Permit Limit: 925 pounds per megawatt hour

Reference Test Method: 40 CFR 60, Appendix A, Method 6A

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 92: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 251.6 (d)

Item 92.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE

Item 92.2:

Compliance Demonstration shall include the following monitoring:

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator that utilizes vendor certified fuel receipts to monitor the Btu content of a fuel must maintain these receipts in a bound log book. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

**Condition 93: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 251.3 (a)

Item 93.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: EP001

Process: P1A

Emission Source: CT001

Regulated Contaminant(s):

CAS No: 000124-38-9

CARBON DIOXIDE

Item 93.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Owners or operators of boilers that are permitted to fire greater than 70 percent fossil fuel, combined cycle combustion turbines, or stationary internal combustion engines that fire only gaseous fuel, except for those emission sources directly attached to a gasifier, are required to meet an emission rate of 120 pounds of CO₂ per million Btu of input (input-based limit). These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO₂ emissions over the relevant 12-month period by the annual total Btus (input-based limit) fired. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Manufacturer Name/Model Number: CO2 Continuous Monitor
 Parameter Monitored: CARBON DIOXIDE
 Upper Permit Limit: 120 pounds per million Btus
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

**Condition 94: Compliance Demonstration
 Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 251.3 (a)

Item 94.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002	Emission Point: EP002
Process: P01	Emission Source: CT002

Regulated Contaminant(s):
 CAS No: 000124-38-9 CARBON DIOXIDE

Item 94.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Owners or operators of boilers that are permitted to fire greater than 70 percent fossil fuel, combined cycle combustion turbines, or stationary internal combustion engines that fire only gaseous fuel, except for those emission sources directly attached to a gasifier, are required to meet an emission rate of 120 pounds of CO2 per million Btu of input (input-based limit). These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO2 emissions over the relevant 12-month period by the annual total Btus (input-based limit) fired. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Manufacturer Name/Model Number: CO2 Continuous Monitor
 Parameter Monitored: CARBON DIOXIDE
 Upper Permit Limit: 120 pounds per million Btus
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136

Permit ID: 3-3356-00136/00010

Facility DEC ID: 3335600136