

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 3551700274**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 3-5517-00274/00002  
Effective Date: 10/03/2001                      Expiration Date: No expiration date

Permit Issued To: VERIZON  
1095 AVE OF THE AMERICAS  
NEW YORK, NY 10036-6797

Contact: LEO L BUSINELLI  
VERIZON COMMUNICATIONS  
221 EAST 37TH STREET - 4TH FLOOR  
NEW YORK, NY 10016  
(212) 338-7675

Facility: VERIZON COMMUNICATIONS - WHITE PLAINS  
111 MAIN ST  
WHITE PLAINS, NY 10601

**Description:**

Verizon Communications is a telecommunication entity located at white Plains, New York. This location maintains the following air contamination sources:

- \* Five (5) turbines used for on-site power generation. Each turbine is rated at 750 KW. The turbines operate on diesel fuel. The facility's PTE for NOx is 158tons/yr. The NOx emissions are capped to 22.5 tons per year.
- \* Three (3) boilers under 10 mmBTU/hr which are exempt sources. The boilers are used for heating and hot water purposes.

The facility is capping out of Title V and NOx -RACT requirements.

Applicable regulations include 6NYCRR 200, 201, 202 ,211, 225, and 40 CFR 82F.

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: ROBERT J STANTON  
NYS DEC DIVISION OF AIR RESOURCES  
21 SOUTH PUTT CORNERS RD  
NEW PALTZ, NY 12561-1696

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions, and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal-REGION 3

HEADQUARTERS



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

**Condition 3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13(a)**

**Item 3.1:**

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

**Item 3.2:**

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

**Condition 4: Permit Modifications, Suspensions, and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

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**Item 4.1:**

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

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

**Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 3 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 5.1:**

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

NYSDEC Regional Permit Administrator  
Region 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 - AIR STATE FACILITY PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: VERIZON

1095 AVE OF THE AMERICAS

NEW YORK, NY 10036-6797

Facility:

VERIZON COMMUNICATIONS - WHITE PLAINS

111 MAIN ST

WHITE PLAINS, NY 10601

Authorized Activity By Standard Industrial Classification Code:

4813 - TELEPHONE COMMUNICATIONS,



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 19 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 3 6NYCRR 200.7: Maintenance of equipment
- 7 6NYCRR 201-1.7: Recycling and Salvage
- 8 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 10 6NYCRR 201-3.2(a): Proof of Eligibility
- 11 6NYCRR 201-3.3(a): Proof of Eligibility
- 17 6NYCRR 202-1.1: Required emissions tests
- 18 6NYCRR 211.3: Visible emissions limited.
- 23 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 1 6NYCRR 200.5: Sealing
- 2 6NYCRR 200.6: Acceptable ambient air quality
- 4 6NYCRR 201-1.2: Unpermitted Emission Sources
- 5 6NYCRR 201-1.4: Unavoidable Noncompliance and Violations
- 6 6NYCRR 201-1.5: Emergency Defense
- 9 6NYCRR 201-1.10(a): Public Access to Recordkeeping
- 12 6NYCRR 201-6.5(g): Non Applicable requirements
- 13 6NYCRR 201-7.2: Facility Permissible Emissions
- \*14 6NYCRR 201-7.2: Compliance Demonstration
- 15 6NYCRR 201-7.2(c): Facility Permissible Emissions
- \*16 6NYCRR 201-7.2(c): Compliance Demonstration
- 20 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 21 6NYCRR 225-1.8(a): Compliance Demonstration
- 22 6NYCRR 227-1.3(a): Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 24 6NYCRR 201-5: General Provisions
- 25 6NYCRR 201-5: Permit Exclusion Provisions
- 26 6NYCRR 201-5: Emission Unit Definition
- 27 6NYCRR 201-5.3(b): Contaminant List
- 28 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

- 29 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 30 6NYCRR 201-5: Process Definition By Emission Unit

NOTE: \* preceding the condition number indicates capping.EXCEPT RADIO

Permit Effective Date: 10/03/2001

Permit Expiration Date: No expiration date.



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**Condition 19: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 19.1:**

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

**Condition 3: Maintenance of equipment**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 3.1:**

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 7: Recycling and Salvage**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

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

**Item 7.1:**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

**Condition 8: Prohibition of Reintroduction of Collected Contaminants to the Air**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

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

**Item 8.1:**

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 10: Proof of Eligibility**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**



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

**Item 10.1:**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Condition 11: Proof of Eligibility**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

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

**Item 11.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Condition 17: Required emissions tests**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

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

**Item 17.1:**

An acceptable report of measured emissions shall be submitted, as may be required by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

**Condition 18: Visible emissions limited.**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 18.1:**

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-



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minute period per hour of not more than 57 percent opacity.

**Condition 23: Recycling and Emissions Reduction**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

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

**Item 23.1:**

The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVAC's in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.
- d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR Part 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

**Condition 1: Sealing**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 200.5**

**Item 1.1:**

(a) The commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the commissioner issued in the case of the violation. Sealing means labelling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

(b) No person shall operate any air contamination source sealed by the commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.



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(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section

**Condition 2: Acceptable ambient air quality**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 2.1:**

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 4: Unpermitted Emission Sources**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-1.2**

**Item 4.1:**

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Condition 5: Unavoidable Noncompliance and Violations**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

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

**Item 5.1:**

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

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



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representative when requested to do so in writing or when so required by a condition of a permit or certificate issued for the corresponding air contamination source. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

**Condition 6: Emergency Defense**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-1.5**

**Item 6.1:**

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

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

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

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

(3) During the period of the emergency the facility owner and/or operator took all



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reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

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

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

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

**Condition 9: Public Access to Recordkeeping**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-1.10(a)**

**Item 9.1:**

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

**Condition 12: Non Applicable requirements**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

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

**Item 12.1:**

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6NYCRR 227-2

Reason: The facility is capping out of NO<sub>x</sub> RACT requirements by capping its NO<sub>x</sub> emissions to under 22.5 tons/ year.

**Condition 13: Facility Permissible Emissions**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**



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**Item 13.1:**

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

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

CAS No: 0NY210-00-0                      PTE: 45,000 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 14: Compliance Demonstration**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 14.1:**

The Compliance Demonstration activity will be performed for the Facility.

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

**Item 14.2:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes  
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The facility is capping out of Title V and 227-2, NOx RACT requirements.

The owner or operator of the 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. Those records shall include at a minimum, monthly fuel consumption for all turbines and boilers on this site. Department representatives must be granted access to the facility during normal operating hours for the purpose of determining compliance.

On an annual basis, beginning one year after the granting of an emission cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by this permit. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to those threshold levels that would require to obtain a Title V permit or to comply with other applicable requirements.



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Reference Test Method: Method 7

Monitoring Frequency: ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 15: Facility Permissible Emissions**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2(c)**

**Item 15.1:**

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

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

CAS No: 0NY210-00-0

PTE: 45,000 pounds per year

Name: OXIDES OF NITROGEN

**Condition 16: Compliance Demonstration**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2(c)**

**Item 16.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 16.2:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is capping out of Title V and NO<sub>x</sub> RACT requirements.

Facility-wide emissions of NO<sub>x</sub> are capped at 22.5 tons per year. The facility shall monitor fuel consumption on a monthly basis and calculate the annual NO<sub>x</sub> maximum on a rolled monthly basis. Those records shall be maintained at the facility for a period of five years and become available to the Department upon request.

Manufacturer Name/Model Number: Solar Turbine generator, Model T-1020S-8

Parameter Monitored: OXIDES OF NITROGEN



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Upper Permit Limit: 22.5 tons per year

Reference Test Method: Method 7

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 11/01/2002 for the period 10/03/2001 through 10/02/2002

**Condition 20: Compliance Demonstration**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)**

**Item 20.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any  
distillate oil fuel which contains sulfur in a quantity  
exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.37 percent by weight

Reference Test Method: method 6

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.

The initial report is due 1/30/2002.

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

**Condition 21: Compliance Demonstration**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-1.8(a)**



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**Item 21.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 21.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of the facility shall retain fuel oil certifications for each shipment of oil received. Such certifications shall contain, as a minimum the supplier's name date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by the Department's representatives or submittal to NYSDEC upon request.

Reference Test Method: Method 6

Monitoring Frequency: PER DELIVERY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 22: Compliance Demonstration**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

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

**Item 22.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 22.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is



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not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then the Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 27 percent

Reference Test Method: METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2002.  
Subsequent reports are due every 6 calendar month(s).

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**STATE ONLY ENFORCEABLE CONDITIONS**

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

**Condition 24: General Provisions**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 24.1:**

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

**Item 24.2:**

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

**Item 24.3:**

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

**Condition 25: Permit Exclusion Provisions**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 25.1:**

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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 by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements



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contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

**Condition 26: Emission Unit Definition**  
**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 26.1:**

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

Emission Unit: 1-TURB1

Emission Unit Description:

DIESEL-FIRED SOLAR TURBINE GENERATOR SET  
(MODEL: T-1020S-8) RATED AT MAXIMUM POWER  
OUTPUT OF 750 KW. TURBINE WILL BE USED FOR  
LIMITED ON-SITE POWER GENERATION.

Building(s): 1

**Item 26.2:**

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

Emission Unit: 2-TURB2

Emission Unit Description:

DIESEL-FIRED SOLAR TURBINE GENERATOR SET  
(MODEL: T-1020S-8) RATED AT MAXIMUM POWER  
OUTPUT OF 750 KW. TURBINE WILL BE USED FOR  
LIMITED ON-SITE POWER GENERATION.

Building(s): 1

**Item 26.3:**

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

Emission Unit: 3-TURB3

Emission Unit Description:

DIESEL-FIRED SOLAR TURBINE GENERATOR SET  
(MODEL: T-1020S-8) RATED AT MAXIMUM POWER



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OUTPUT OF 750 KW. TURBINE WILL BE USED FOR LIMITED ON-SITE POWER GENERATION.

Building(s): 1

**Item 26.4:**

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

Emission Unit: 4-TURB4

Emission Unit Description:

DIESEL-FIRED SOLAR TURBINE GENERATOR SET (MODEL: T-1020S-8K) RATED AT MAXIMUM POWER OUTPUT OF 750 KW. TURBINE WILL BE USED FOR LIMITED ON-SITE POWER GENERATION.

Building(s): 1

**Item 26.5:**

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

Emission Unit: 5-TURB5

Emission Unit Description:

DIESEL-FIRED SOLAR TURBINE GENERATOR SET (MODEL: T-1020S-8) RATED AT MAXIMUM POWER OUTPUT OF 750 KW. TURBINE WILL BE USED FOR LIMITED ON-SITE POWER GENERATION.

Building(s): 1

**Condition 27: Contaminant List**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5.3(b)**

**Item 27.1:**

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

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Condition 28: Air pollution prohibited**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

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**Applicable State Requirement: 6NYCRR 211.2**

**Item 28.1:**

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

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

**Condition 29: Emission Point Definition By Emission Unit  
Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 29.1:**

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

Emission Unit: 1-TURB1

Emission Point: 00001

Height (ft.): 125

Diameter (in.): 24

NYTMN (km.): 4542.

NYTME (km.): 603.

Building: 1

**Item 29.2:**

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

Emission Unit: 2-TURB2

Emission Point: 00002

Height (ft.): 125

Diameter (in.): 24

NYTMN (km.): 4542.

NYTME (km.): 603.

Building: 1

**Item 29.3:**

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

Emission Unit: 3-TURB3

Emission Point: 00003

Height (ft.): 125

Diameter (in.): 24

NYTMN (km.): 4542.

NYTME (km.): 603.

Building: 1



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**Item 29.4:**

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

Emission Unit: 4-TURB4

Emission Point: 00004

Height (ft.): 125

Diameter (in.): 24

NYTMN (km.): 4542.

NYTME (km.): 603.

Building: 1

**Item 29.5:**

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

Emission Unit: 5-TURB5

Emission Point: 00005

Height (ft.): 125

Diameter (in.): 24

NYTMN (km.): 4542.

NYTME (km.): 603.

Building: 1

**Condition 30: Process Definition By Emission Unit**

**Effective between the dates of 10/03/2001 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 30.1:**

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

Emission Unit: 1-TURB1

Process: 101

Source Classification Code: 2-01-001-01

Process Description:

DIESEL-FIRED SOLAR TURBINE GENERATOR SET  
RATED AT MAXIMUM POWER OUTPUT OF 750 KW.

Emission Source/Control: TURB1 - Combustion

Design Capacity: 750 kilowatts

**Item 30.2:**

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

Emission Unit: 2-TURB2

Process: 201

Source Classification Code: 2-01-001-01

Process Description:

DIESEL-FIRED SOLAR TURBINE GENERATOR SET  
RATED AT MAXIMUM POWER OUTPUT OF 750 KW.

Emission Source/Control: TURB2 - Combustion

Design Capacity: 750 kilowatts

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**Item 30.3:**

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

Emission Unit: 3-TURB3

Process: 301

Source Classification Code: 2-01-001-01

Process Description:

DIESEL-FIRED SOLAR TURBINE GENERATOR SET  
RATED AT MAXIMUM POWER OUTPUT OF 750 KW.

Emission Source/Control: TURB3 - Combustion

Design Capacity: 750 kilowatts

**Item 30.4:**

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

Emission Unit: 4-TURB4

Process: 401

Source Classification Code: 2-01-001-01

Process Description:

DIESEL-FIRED SOLAR TURBINE GENERATOR SET  
RATED AT MAXIMUM POWER OUTPUT OF 750 KW.

Emission Source/Control: TURB4 - Combustion

Design Capacity: 750 kilowatts

**Item 30.5:**

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

Emission Unit: 5-TURB5

Process: 501

Source Classification Code: 2-01-001-01

Process Description:

DIESEL-FIRED SOLAR TURBINE GENERATOR SET  
RATED AT MAXIMUM POWER OUTPUT OF 750 KW.

Emission Source/Control: TURB5 - Combustion

Design Capacity: 750 kilowatts