

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2600200055**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6205-00182/00001  
Effective Date: 03/12/2001 Expiration Date: 03/11/2006

Permit Issued To: NYC HEALTH & HOSPITALS CORP  
125 WORTH STREET  
NEW YORK, NY 10013-4006

Contact: JOSEPH TORTORELLI  
NORTH CENTRAL BRONX HOSPITAL  
3424 KOSSUTH AVENUE  
BRONX, NY 10467  
(718) 519-3561

Facility: MUTUAL REDEVELOPMENT HOUSES  
315 WEST 25TH STREET  
NEW YORK, NY 10001

Contact: JOSEPH TORTORELLI  
NORTH CENTRAL BRONX HOSPITAL  
3424 KOSSUTH AVENUE  
BRONX, NY 10467

Description:

**PERMIT DESCRIPTION**  
**MUTUAL REDEVELOPMENT HOUSES**  
**DEC ID # 2-6205-00182/00001**

Mutual Redevelopment Houses, Inc. located at 321 Eight Avenue in New York City, New York, provides heating, cooling, hot water and electricity to a residential apartment complex consisting of ten (10) twenty-two story residential buildings. The Industrial Classification Code (SIC) for this facility is 6513 - Apartment Building Operators.

The facility operates two (2) dual fuel boilers with 31 mmbtu/hr each (emission sources 00003 & 00004), two (2) dual fuel chillers/heaters with 10.4 mmbtu/hr heat input each (emission sources 00001 & 00002), six (6) diesel engine generators of which three (3) have a capacity of 1150 KW (11.9 million Btu per hour) each (emission sources 00008, 00009 & 00010) and three (3) have a capacity of 820 KW (8.5 million Btu per hour) each (emission sources 00005, 00006 & 00007), and is installing four (4) new 820 KW (7.6 million Btu per hour) natural gas powered engine generators (emission sources 00011, 00012, 00013 & 00014) for heating, cooling and electricity production. All of these emission sources

FINAL



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2600200055**

are collectively identified as emission unit U- 00001. All the emissions are exhausted through one common stack which is identified as emission point 00001. Emission sources 00001 - 00010 were constructed in June, 1984 and began operating in June, 1986, while emission sources 00011 - 00014 are to be constructed in May, 1999 and begin operation in January, 2000. The facility operates three processes, Process 001, Process 002 and Process 003. Process 001 is for firing natural gas in the heaters/chillers (emission sources 00001 & 00002) and in the boilers (emission sources 00003 & 00004). Process 002 is for firing number 2 fuel oil in the two (2) boilers and in the engine driven generators (emission sources 00005 - 00010). Process 003 is for firing natural gas in engine driven generators (emission sources 00011 - 00014).

The six (6) existing diesel engines/generators (emission sources 00005 - 00010) are required to meet a NO<sub>x</sub> limit of 9 grams/brake horsepower-hour under the NO<sub>x</sub> rule. In January of the year 2000, Mutual Redevelopment Houses installed four (4) new 820 kwh each natural gas powered engine driven generators (emission sources 00011 - 00014). These units will be used to provide the prime power for the facility, and the existing six (6) generators that operate on number 2 fuel oil will be used as back-up units. It is estimated that approximately 80 % of the electrical requirements of Mutual Redevelopment Houses will be met by the four (4) new engines. The oil-fired engines will be used for peaking (during the summer) or during periods when a gas engine is going through normal maintenance (every 1000 hours), or when any gas engine is out of service for an extended period, and during gas interruption. The new units are lean burn low emissions engines certified to emit 0.9 grams/brake horsepower-hour of NO<sub>x</sub> as compared to the six (6) oil- fired units (to use as back-up) which have a NO<sub>x</sub> emission rate of 6.9 grams/brake horsepower-hour. Therefore, Mutual Redevelopment Houses will reduce the NO<sub>x</sub> emission. These new units will be used as the main power generators for the facility, with the existing six (6) generator sets (emission sources 00005 - 00010) being used as backup units. The new units are lean burn low emission engines certified to emit NO<sub>x</sub> at a rate of 0.9 grams/brake horsepower-hour (emission sources 00011-00014) as opposed to 6.9 grams/brake horsepower-hour (emission sources 00005 - 00010). If 80% of the load is met by the gas engines, actual NO<sub>x</sub> levels from the engines/generators will be reduced by approximately 70%. The four (4) new natural gas powered engine generators will be used as the main power generators for the facility, with the existing six (6) generators being used as back -up units. As a result of the engines/generators modifications, Mutual Redevelopment Houses will reduce the potential NO<sub>x</sub> emissions of emission sources 00005 - 00010 from 222.2 tons/yr to 122.2 tons/yr (a reduction of 100 tons/yr of NO<sub>x</sub>). The facility's total actual emission of NO<sub>x</sub> is therefore reduced from 258.5 tons/yr to 198.4 tons/yr, a reduction of 60 tons/yr. The actual facility's NO<sub>x</sub> emission will be 198.4 tons/yr as indicated in the Facility Emissions Summary (396,800 lbs/yr).

This facility emits oxides of nitrogen in excess of 25 tons per year and is subject to Title V permitting requirements, Part 201. The Title V permit contains a complete listing of the applicable Federal, State and compliance monitoring requirements for this facility, its emission unit and emission point.

The New Source Review, 6NYCRR 231-2 is not applicable to Mutual Redevelopment Houses because once the four (4) natural gas engine/generator sets replace the six (6) oil-fired engine/generator sets, the actual NO<sub>x</sub> emissions from the engines/generators will be reduced by approximately 70% due to the much lower NO<sub>x</sub> emission rate (6.9 g/bhph vs. 0.9 g/bhph). Hence, the facility's actual NO<sub>x</sub> emission will be reduced from 258.5 tons/yr to 198.4 tons/yr, a reduction of 60 tons/yr.



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2600200055**

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: JOHN F. CRYAN  
ONE HUNTERS POINT PLAZA  
47-40 21ST ST  
LONG ISLAND CITY, NY 11101-5407

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



**Notification of Other 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, agents, and assigns for all claims, suits, actions, damages, and costs of every name and description, arising out of or resulting from the permittee's undertaking of activities or operation and maintenance of the facility or facilities authorized by the permit in compliance or non-compliance with the terms and conditions of the permit.

**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 2

HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

**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**

**Item 4.1:**

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2600200055**



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 2 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 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street  
Long Island City, NY 11101-5407  
(718) 482-4997



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: NYC HEALTH & HOSPITALS CORP  
125 WORTH STREET  
NEW YORK, NY 10013-4006

Contact: JOSEPH TORTORELLI  
NORTH CENTRAL BRONX HOSPITAL  
3424 KOSSUTH AVENUE  
BRONX, NY 10467  
(718) 519-3561

Facility: MUTUAL REDEVELOPMENT HOUSES  
315 WEST 25TH STREET  
NEW YORK, NY 10001

Contact: JOSEPH TORTORELLI  
NORTH CENTRAL BRONX HOSPITAL  
3424 KOSSUTH AVENUE  
BRONX, NY 10467

Authorized Activity By Standard Industrial Classification Code:  
6513 - APARTMENT BUILDING OPERATORS

Permit Effective Date: 03/12/2001

Permit Expiration Date: 03/11/2006



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 Sealing
- 2 Acceptable ambient air quality
- 3 Maintenance of equipment
- 4 Unpermitted Emission Sources
- 5 Unavoidable Noncompliance and Violations
- 6 Emergency Defense
- 7 Recycling and Salvage
- 8 Prohibition of Reintroduction of Collected Contaminants to the Air
- 9 Public Access to Recordkeeping for Title V facilities
- 10 Proof of Eligibility
- 11 Proof of Eligibility
- 12 Applicable Criteria, Limits, Terms, Conditions and Standards
- 13 Cessation or Reduction of Permitted Activity Not a Defense
- 14 Compliance Requirements
- 15 Federally-Enforceable Requirements
- 16 Fees
- 17 Monitoring, Related Recordkeeping and Reporting Requirements
- 18 Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
- 19 Permit Shield
- 20 Property Rights
- 21 Reopening for Cause
- 22 Right to Inspect
- 23 Severability
- 24 Emission Unit Definition
- 25 Compliance Certification
- 26 Compliance Certification
- 27 Permit Exclusion Provisions
- 28 Non Applicable requirements
- 29 Required emissions tests
- 30 Compliance Certification
- 31 Recordkeeping requirements
- 32 Visible emissions limited.
- 33 Open Fires Prohibited at Industrial and Commercial Sites
- 34 Compliance Certification
- 35 Temporary variances.
- 36 Compliance.
- 37 Recycling and Emissions Reduction

#### Emission Unit Level

- 38 Emission Point Definition By Emission Unit
- 39 Process Definition By Emission Unit



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

- 40 Compliance Certification (EU=U-00001,Proc=001,ES=00003)
- 41 Compliance Certification (EU=U-00001,Proc=001,ES=00003)
- 42 Compliance Certification (EU=U-00001,Proc=001,ES=00004)
- 43 Compliance Certification (EU=U-00001,Proc=001,ES=00004)
- 44 Compliance Certification (EU=U-00001,Proc=002)
- 45 Compliance Certification (EU=U-00001,Proc=002,ES=00005)
- 46 Compliance Certification (EU=U-00001,Proc=002,ES=00006)
- 47 Compliance Certification (EU=U-00001,Proc=002,ES=00007)
- 48 Compliance Certification (EU=U-00001,Proc=002,ES=00008)
- 49 Compliance Certification (EU=U-00001,Proc=002,ES=00009)
- 50 Compliance Certification (EU=U-00001,Proc=002,ES=00010)
- 51 Compliance Certification (EU=U-00001,Proc=003)
- 52 Compliance Certification (EU=U-00001,Proc=003)
- 53 Compliance Certification (EU=U-00001,Proc=003,ES=00011)
- 54 Compliance Certification (EU=U-00001,Proc=003,ES=00012)
- 55 Compliance Certification (EU=U-00001,Proc=003,ES=00013)
- 56 Compliance Certification (EU=U-00001,Proc=003,ES=00014)
- 57 Compliance Certification (EU=U-00001,EP=00001)
- 58 Compliance Certification (EU=U-00001,EP=00001,Proc=002)

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- s2059 General Provisions
- 60 Contaminant List
- 61 Air pollution prohibited



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

**FEDERALLY ENFORCEABLE CONDITIONS**

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

**Condition 1: Sealing**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**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.

(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 03/12/2001 and 03/11/2006**

**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 3: Maintenance of equipment**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**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.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

**Condition 4: Unpermitted Emission Sources**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**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 03/12/2001 and 03/11/2006**

**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 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.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

(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 03/12/2001 and 03/11/2006**

**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 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 7: Recycling and Salvage**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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



**New York State Department of Environmental Conservation**

Permit ID: 2-6205-00182/00001

Facility DEC ID: 2600200055

**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 03/12/2001 and 03/11/2006**

**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 9: Public Access to Recordkeeping for Title V facilities**

**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 9.1:**

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 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Condition 10: Proof of Eligibility**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**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 03/12/2001 and 03/11/2006**

**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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

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 12: Applicable Criteria, Limits, Terms, Conditions and Standards**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 12.1:**

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

- i. Any reporting requirements and operations under an accidental release plan, response plan, and compliance plan as approved as of the date of the permit issuance, or
- ii. Any support documents submitted as a part of the permit application for this facility as accepted and approved as of the date of permit issuance.

Any noncompliance with the federally-enforceable portions of this permit constitutes a violation of the federal Clean Air Act and will be grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

**Item 12.2:**

Any document, including reports, required by the federally-enforceable portions of this permit shall contain a certification by the responsible official for this facility as set forth in Section 201-6.3 that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**Condition 13: Cessation or Reduction of Permitted Activity Not a Defense**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 13.1:**

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.

**Condition 14: Compliance Requirements**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

**Item 14.1:**

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 the responsible official, consistent with Section 201-6.3 of Part 201.

**Item 14.2:**

The permittee shall comply with the approved compliance schedule for this permit if such a schedule is a part of this permit. Risk management plans must be submitted to the Administrator if required by Section 112(r) of the Clean Air Act for this facility.

**Item 14.3:**

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. 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 15: Federally-Enforceable Requirements**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 15.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

only state regulations.

**Condition 16: Fees**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 16.1:**

The permittee shall pay the required fees associated with this permit.

**Condition 17: Monitoring, Related Recordkeeping and Reporting Requirements**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 17.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, 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 18: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 18.1:**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not relieve the permittee from the requirement to comply with any condition contained in this permit.

The permittee 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. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

**Condition 19: Permit Shield**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



**Item 19.1:**

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

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

**Condition 20: Property Rights**

**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 20.1:**

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

**Condition 21: Reopening for Cause**

**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 21.1:**

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

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

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.

**Item 21.2:**

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.

**Item 21.3:**

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.

**Condition 22: Right to Inspect**

**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 22.1:**

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

i. Enter upon the permittee's premises where the permitted facility 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 facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 23: Severability**

**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 23.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

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.

**Condition 24: Emission Unit Definition**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 24.1:**

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

Emission Unit: U-00001

Emission Unit Description:

THE EMISSION UNIT IS CURRENTLY COMPRISED OF SIX (6) DRIVEN GENERATORS (EMISSION SOURCES 00005, 00006, 00007, 00008, 00009 & 00010) , TWO (2) KEWANEE DUAL FUEL BOILERS (EMISSION SOURCES 00003 & 00004) AND TWO (2) HITACHI DUAL FUEL CHILLERS/HEATERS (EMISSION SOURCES 00001 & 00002) ALL DISCHARGING THROUGH ONE COMMON STACK. FOUR (4) NEW 812 KWH ENGINE DRIVEN GENERATORS (EMISSION SOURCES 00011, 00012, 00013 & 00014) WILL BE INSTALLED WHICH WILL ALSO DISCHARGE THROUGH THE SAME COMMON STACK. ONCE THE FOUR (4) NEW 820 KWH CATERPILLAR NATURAL GAS ENGINE/GENERATORS SETS ARE INSTALLED, THEY WILL BE USED AS THE MAIN POWER GENERATORS FOR THE FACILITY, WITH THE EXISTING SIX (6) GENERATOR SETS BEING USED AS BACKUP UNITS. THE NEW UNITS ARE LEAN BURN LOW EMISSION ENGINES CERTIFIED TO EMIT 0.9 GRAMS/GHP HR AS COMPARED TO 6.9 GRAMS/BRAKE HORSEPOWER-HOUR FOR THE OIL-FIRED ENGINE/GENERATOR SETS. ONCE THE FOUR (4) NATURAL GAS ENGINES/GENERATORS REPLACE THE SIX (6) OIL-FIRED ENGINE/GENERATOR SETS, THE ACTUAL NOX EMISSIONS WILL BE REDUCED BY APPROXIMATELY 70%.

Building(s): PPLANT

**Condition 25: Compliance Certification**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)**

**Item 25.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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.

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 shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

**Condition 26: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of the effective date of this permit.

All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

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

The address for the BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring  
and Enforcement  
50 Wolf Road  
Albany, NY 12233-3258

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR YEAR)  
Reports due by January 30th for previous calendar year

**Condition 27: Permit Exclusion Provisions**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 27.1:**

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), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

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 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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

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 28: Non Applicable requirements**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 28.1:**

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 227-1.

Emission Unit: U00001 Emission Point: 00001

Reason: PART 227-1 HAS NO PARTICULATES EMISSIONS  
STANDARD FOR COMBUSTION SOURCES BURNING  
NATURAL GAS AND OR DISTILLATE FUEL.

6NYCRR 227-2.

Emission Unit: U00001 Process: 001 Source: 00002

Reason: THE HEATER/CHILLERS ARE EXEMPT FROM THE  
NOX RACT RULE.

6NYCRR 227-2.

Emission Unit: U00001 Process: 001 Source: 00001

Reason: THE HEATER/CHILLERS ARE EXEMPT FROM THE  
NOX RACT RULE.

6NYCRR 231-2.

Reason: MUTUAL REDEVELOPMENT HOUSES POWER PLANT  
PROVIDES ELECTRICITY, HEATING, AND  
COOLING WITH SIX (6) DIESEL ENGINE DRIVEN  
GENERATORS (EMISSION SOURCES 00005,  
00006, 00007, 00008, 00009 & 00010), TWO  
(2) DUAL FUEL BOILERS (EMISSION SOURCES  
00003 & 00004) AND TWO (2) DUAL FUEL  
CHILLERS/HEATERS (EMISSION SOURCES 00001  
& 00002). ALL UNITS DISCHARGE THROUGH A  
COMMON STACK. THE SIX (6) EXISTING  
DIESEL ENGINES ARE REQUIRED TO MEET A NOX  
LIMIT OF 9 GRAMS/BRAKE HORSEPOWER-HOUR  
UNDER THE NOX RULE.  
IN JANUARY OF THE YEAR 2000, MUTUAL

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



REDEVELOPMENT HOUSES INSTALLED FOUR (4) NEW 820 KWH EACH CATERPILLAR NATURAL GAS POWERED ENGINE DRIVEN GENERATORS (EMISSION SOURCES 00011, 00012, 00013 & 00014). THESE UNITS WILL BE USED TO PROVIDE THE PRIME POWER FOR THE FACILITY, AND THE EXISTING SIX (6) GENERATORS THAT OPERATE ON NO 2 OIL WILL BE USED FOR BACKUP. IT IS ESTIMATED THAT APPROXIMATELY 80% OF THE ELECTRICAL REQUIREMENTS OF MUTUAL REDEVELOPMENT HOUSES WILL BE MET BY THE FOUR (4) NEW ENGINES. THE OIL-FIRED ENGINES WILL BE USED FOR PEAKING (DURING THE SUMMER) OR DURING PERIODS WHEN A GAS ENGINE IS GOING THROUGH NORMAL MAINTENANCE (EVERY 1000 HOURS), OR WHEN ANY GAS ENGINE IS OUT OF SERVICE FOR AN EXTENDED PERIOD, AND DURING GAS INTERRUPTION. THE NEW UNITS ARE LEAN BURN LOW EMISSION ENGINES CERTIFIED TO EMIT 0.9 GRAMS/BRAKE HORSEPOWER-HOUR OF NOX AS COMPARED TO THE SIX (6) OIL FIRED UNITS (TO USE AS BACKUP) WHICH HAVE A NOX EMISSION RATE OF 6.9 GRAMS/BRAKE HORSEPOWER-HOUR. THEREFORE, MUTUAL REDEVELOPMENT HOUSES WILL REDUCE THE NOX EMISSION. THESE NEW UNITS WILL BE USED AS THE MAIN POWER GENERATORS FOR THE FACILITY, WITH THE EXISTING SIX (6) GENERATOR SETS (EMISSION SOURCES 00005, 00006, 00007, 00008, 00009 & 00010) BEING USED AS BACKUP UNITS. THE NEW UNITS ARE LEAN BURN LOW EMISSION ENGINES CERTIFIED TO EMIT NOX AT A RATE OF 0.9 GRAMS/BRAKE HORSEPOWER-HOUR (EMISSION SOURCES 00011-00014) AS OPPOSED TO 6.9 GRAMS/BRAKE HORSEPOWER-HOUR (EMISSION SOURCES 00005-00010). IF 80% OF THE LOAD IS MET BY THE GAS ENGINES, ACTUAL NOX LEVELS WILL BE REDUCED BY APPROXIMATELY 70%. AS A RESULT OF THE ENGINES/GENERATORS MODIFICATIONS, MUTUAL REDEVELOPMENT HOUSES WILL REDUCE THE POTENTIAL NOX EMISSIONS OF EMISSION SOURCES 00005 - 00010 FROM 222.2 TONS/YR TO 122.2 TONS/YR (A REDUCTION OF 100 TONS/YR OF NOX). THE FACILITY'S TOTAL ACTUAL EMISSION OF NOX IS THEREFORE

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



REDUCED FROM 258.5 TONS/YR TO 198.4 TONS/YR, A REDUCTION OF 60 TONS/YR. THE ACTUAL FACILITY'S NOX EMISSION WILL BE 198.4 TONS/YR AS INDICATED IN THE FACILITY'S EMISSIONS SUMMARY (396,800 LBS/YR).

THE NEW SOURCE REVIEW, 6NYCRR 231-2 IS NOT APPLICABLE TO THIS FACILITY BECAUSE ONCE THE FOUR (4) NATURAL GAS ENGINE/GENERATOR SETS REPLACE THE SIX (6) OIL-FIRED ENGINES/GENERATORS, THE ACTUAL NOX EMISSIONS FROM THE ENGINE/GENERATOR UNITS WILL BE REDUCED BY APPROXIMATELY 70%. HENCE, THE FACILITY'S ACTUAL NOX EMISSIONS WILL BE REDUCED FROM 258.5 TONS/YR TO 198.4 TONS/YR, A REDUCTION OF 60 TONS/YR.

6NYCRR 231-2.

Emission Unit: U00001

Reason: MUTUAL REDEVELOPMENT HOUSES POWER PLANT PROVIDES ELECTRICITY, HEATING, AND COOLING WITH SIX (6) DIESEL ENGINE DRIVEN GENERATORS (EMISSION SOURCES 00005, 00006, 00007, 00008, 00009 & 00010), TWO (2) DUAL FUEL BOILERS (EMISSION SOURCES 00003 & 00004) AND TWO (2) DUAL FUEL CHILLERS/HEATERS (EMISSION SOURCES 00001 & 00002). ALL UNITS DISCHARGE THROUGH A COMMON STACK. THE SIX (6) EXISTING DIESEL ENGINES ARE REQUIRED TO MEET A NOX LIMIT OF 9 GRAMS/BRAKE HORSEPOWER-HOUR UNDER THE NOX RULE.

IN JANUARY OF THE YEAR 2000, MUTUAL REDEVELOPMENT HOUSES INSTALLED FOUR (4) NEW 820 KWH EACH CATERPILLAR NATURAL GAS POWERED ENGINE DRIVEN GENERATORS (EMISSION SOURCES 00011, 00012, 00013 & 00014). THESE UNITS WILL BE USED TO PROVIDE THE PRIME POWER FOR THE FACILITY, AND THE EXISTING SIX (6) GENERATORS THAT OPERATE ON NO 2 OIL WILL BE USED FOR BACKUP. IT IS ESTIMATED THAT APPROXIMATELY 80% OF THE ELECTRICAL REQUIREMENTS OF MUTUAL REDEVELOPMENT

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



HOUSES WILL BE MET BY THE FOUR (4) NEW ENGINES. THE OIL-FIRED ENGINES WILL BE USED FOR PEAKING (DURING THE SUMMER) OR DURING PERIODS WHEN A GAS ENGINE IS GOING THROUGH NORMAL MAINTENANCE (EVERY 1000 HOURS), OR WHEN ANY GAS ENGINE IS OUT OF SERVICE FOR AN EXTENDED PERIOD, AND DURING GAS INTERRUPTION. THE NEW UNITS ARE LEAN BURN LOW EMISSION ENGINES CERTIFIED TO EMIT 0.9 GRAMS/BRAKE HORSEPOWER-HOUR OF NOX AS COMPARED TO THE SIX (6) OIL FIRED UNITS (TO USE AS BACKUP) WHICH HAVE A NOX EMISSION RATE OF 6.9 GRAMS/BRAKE HORSEPOWER-HOUR. THEREFORE, MUTUAL REDEVELOPMENT HOUSES WILL REDUCE THE NOX EMISSION. THESE NEW UNITS WILL BE USED AS THE MAIN POWER GENERATORS FOR THE FACILITY, WITH THE EXISTING SIX (6) GENERATOR SETS (EMISSION SOURCES 00005, 00006, 00007, 00008, 00009 & 00010) BEING USED AS BACKUP UNITS. THE NEW UNITS ARE LEAN BURN LOW EMISSION ENGINES CERTIFIED TO EMIT NOX AT A RATE OF 0.9 GRAMS/BRAKE HORSEPOWER-HOUR (EMISSION SOURCES 00011-00014) AS OPPOSED TO 6.9 GRAMS/BRAKE HORSEPOWER-HOUR (EMISSION SOURCES 00005-00010). IF 80% OF THE LOAD IS MET BY THE GAS ENGINES, ACTUAL NOX LEVELS WILL BE REDUCED BY APPROXIMATELY 70%. AS A RESULT OF THE ENGINES/GENERATORS MODIFICATIONS, MUTUAL REDEVELOPMENT HOUSES WILL REDUCE THE POTENTIAL NOX EMISSIONS OF EMISSION SOURCES 00005 - 00010 FROM 222.2 TONS/YR TO 122.2 TONS/YR (A REDUCTION OF 100 TONS/YR OF NOX). THE FACILITY'S TOTAL ACTUAL EMISSION OF NOX IS THEREFORE REDUCED FROM 258.5 TONS/YR TO 198.4 TONS/YR, A REDUCTION OF 60 TONS/YR. THE ACTUAL FACILITY'S NOX EMISSION WILL BE 198.4 TONS/YR AS INDICATED IN THE FACILITY'S EMISSIONS SUMMARY (396,800 LBS/YR).

THE NEW SOURCE REVIEW, 6NYCRR 231-2 IS NOT APPLICABLE TO THIS FACILITY BECAUSE ONCE THE FOUR (4) NATURAL GAS ENGINE/GENERATOR SETS REPLACE THE SIX (6)



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

OIL-FIRED ENGINES/GENERATORS, THE ACTUAL NOX EMISSIONS FROM THE ENGINE/GENERATOR UNITS WILL BE REDUCED BY APPROXIMATELY 70%. HENCE, THE FACILITY'S ACTUAL NOX EMISSIONS WILL BE REDUCED FROM 258.5 TONS/YR TO 198.4 TONS/YR, A REDUCTION OF 60 TONS/YR.

**Condition 29: Required emissions tests**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 29.1:**

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 30: Compliance Certification**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 202-2.1**

**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: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR YEAR)

Reports due by April 15th for previous calendar year

**Condition 31: Recordkeeping requirements**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 202-2.5**

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



**Item 31.1:**

(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 32: Visible emissions limited.**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 32.1:**

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 33: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 215.**

**Item 33.1:**

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 34: Compliance Certification**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 34.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any distillate oil fuel which contains sulfur in a quantity



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 0.20 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 35: Temporary variances.**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.4**

**Item 35.1:**

Upon application by an air contamination source owner or a fuel supplier the commissioner may issue an order granting a temporary variance from the provisions of 6 NYCRR Part 225-1 where it can be shown, to the commissioner's satisfaction, that there is an insufficient supply of conforming fuel, either:

- (1) of the proper type required for use in a particular air contamination source; or
- (2) generally throughout an area of the State.

**Condition 36: Compliance.**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.6(b)**

**Item 36.1:**

As of January 1, 1988 any person who buys, sells, offer for sale, or uses fuel must comply with the percent sulfur requirements specified in section 6 NYCRR 225-1.2 of this regulation.

**Condition 37: Recycling and Emissions Reduction**

**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 37.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

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.

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

**Condition 38: Emission Point Definition By Emission Unit  
Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 38.1:**

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 220

Diameter (in.): 84

NYTMN (km.): 4511.

NYTME (km.): 584.7

Building: PPLANT

**Condition 39: Process Definition By Emission Unit  
Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 39.1:**

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

Emission Unit: U-00001

Process: 001

Source Classification Code: 1-03-006-02

Process Description:

FIRING NATURAL GAS IN HEATERS/CHILLERS  
00001 AND 00002, AND BOILERS 00003 AND  
00004. THESE UNITS ALSO USE NO. 2 FUEL OIL  
AS STANDBY FUEL DURING GAS INTERRUPTION.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

Emission Source/Control: 00001 - Combustion  
Design Capacity: 10.4 million Btu per hour

Emission Source/Control: 00002 - Combustion  
Design Capacity: 10.4 million Btu per hour

Emission Source/Control: 00003 - Combustion  
Design Capacity: 31 million Btu per hour

Emission Source/Control: 00004 - Combustion  
Design Capacity: 31 million Btu per hour

**Item 39.2:**

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

Emission Unit: U-00001

Process: 002

Source Classification Code: 2-03-001-01

Process Description:

FIRING NO 2 FUEL OIL IN ENGINE DRIVEN GENERATORS (EMISSION SOURCES 00005, 00006, 00007, 00008, 00009 & 00010). NO 2 FUEL OIL USED AS STANDBY DURING PERIODS OF GAS INTERRUPTION FOR THE HEATER/CHILLERS (EMISSION SOURCES 00001 & 00002) AND BOILERS (EMISSION SOURCES 00003 & 00004). THE OIL-FIRED ENGINES WILL BE USED FOR PEAKING (DURING THE SUMMER) OR DURING PERIODS WHEN A GAS ENGINE IS GOING THROUGH NORMAL MAINTENANCE (EVERY 1000 HOURS), OR WHEN ANY GAS ENGINE IS OUT OF SERVICE FOR AN EXTENDED PERIOD, AND DURING GAS INTERRUPTION.

Emission Source/Control: 00005 - Combustion  
Design Capacity: 8.5 million Btu per hour

Emission Source/Control: 00006 - Combustion  
Design Capacity: 8.5 million Btu per hour

Emission Source/Control: 00007 - Combustion  
Design Capacity: 8.5 million Btu per hour

Emission Source/Control: 00008 - Combustion  
Design Capacity: 11.9 million Btu per hour

Emission Source/Control: 00009 - Combustion  
Design Capacity: 11.9 million Btu per hour



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

Emission Source/Control: 00010 - Combustion

Design Capacity: 11.9 million Btu per hour

**Item 39.3:**

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

Emission Unit: U-00001

Process: 003

Source Classification Code: 2-03-002-01

Process Description:

FIRING NATURAL GAS IN ENGINE DRIVEN GENERATORS (EMISSION SOURCES 00011, 00012, 00013 & 00014). ONCE INSTALLED, THESE GENERATORS WILL SUPPLY MAIN POWER TO THE FACILITY, WHILE GENERATORS (EMISSION SOURCES 00005, 00006, 00007, 00008, 00009 & 00010) THAT OPERATE ON NO 2 OIL WILL SUPPLY BACKUP POWER. THE OIL-FIRED ENGINES WILL BE USED FOR PEAKING (DURING THE SUMMER) OR DURING PERIODS WHEN A GAS ENGINE IS GOING THROUGH NORMAL MAINTENANCE (EVERY 1000 HOURS), OR WHEN ANY GAS ENGINE IS OUT OF SERVICE FOR AN EXTENDED PERIOD, AND DURING GAS INTERRUPTION.

Emission Source/Control: 00011 - Combustion

Design Capacity: 7.6 million Btu per hour

Emission Source/Control: 00012 - Combustion

Design Capacity: 7.6 million Btu per hour

Emission Source/Control: 00013 - Combustion

Design Capacity: 7.6 million Btu per hour

Emission Source/Control: 00014 - Combustion

Design Capacity: 7.6 million Btu per hour

**Condition 40: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 001

Emission Source: 00003

Regulated Contaminant:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE KEWANEE BOILERS ARE CONSIDERED SMALL BOILERS AND HAVE NO SPECIFIC LIMIT UNDER THE NOX RACT RULE BUT ARE REQUIRED TO BE TUNED UP ANNUALLY AND HAVE A LOG BOOK MAINTAINED.

Monitoring Frequency: ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 41: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 001

Emission Source: 00003

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR YEAR)

Reports due by January 30th for previous calendar year

**Condition 42: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 001

Emission Source: 00004

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE KEWANEE BOILERS ARE CONSIDERED SMALL BOILERS AND HAVE NO SPECIFIC LIMIT UNDER THE NOX RACT RULE BUT ARE REQUIRED TO BE TUNED UP ANNUALLY AND HAVE A LOG BOOK MAINTAINED.

Monitoring Frequency: ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 43: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 001

Emission Source: 00004

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR YEAR)

Reports due by January 30th for previous calendar year

**Condition 44: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)**

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 002

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NO<sub>x</sub> emission limit for a lean burn internal combustion engine which fires other or multiple fuels. Stack testing will be required in order to demonstrate compliance with the regulatory standard.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 9.0 grams per brake horsepower-hour

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 45: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 002

Emission Source: 00005

Regulated Contaminant:

CAS No: 0NY210-00-0

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



Name: OXIDES OF NITROGEN

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

AN OPERATING PLAN, AS DESCRIBED IN THE FEBRUARY 1996 NOX RACT COMPLIANCE PLAN, HAS BEEN PUT INTO EFFECT TO OPERATE THE DIESEL ENGINES AT A MINIMUM OF 65% (533 KW) OF FULL LOAD AND MAXIMUM OF 85% (697 KW) OF FULL LOAD CAPACITY (820 KW) TO AVOID EXCEEDING NOX LIMIT OF 9.0 GRAMS PER BREAK HORSEPOWER-HOUR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 07/11/2001 for the period 03/12/2001 through 06/11/2001

**Condition 46: Compliance Certification**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 002

Emission Source: 00006

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

AN OPERATING PLAN, AS DESCRIBED IN THE FEBRUARY 1996 NOX RACT COMPLIANCE PLAN, HAS BEEN PUT INTO EFFECT TO OPERATE THE DIESEL ENGINES AT A MINIMUM OF 65% (533 KW) OF FULL LOAD AND MAXIMUM OF 85% (697 KW) OF FULL LOAD CAPACITY (820 KW) TO AVOID EXCEEDING NOX LIMIT OF 9.0 GRAMS

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



PER BREAK HORSEPOWER-HOUR..

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 07/11/2001 for the period 03/12/2001 through 06/11/2001

**Condition 47: Compliance Certification**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 002

Emission Source: 00007

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

AN OPERATING PLAN, AS DESCRIBED IN THE  
FEBRUARY 1996 NOX RACT COMPLIANCE PLAN,  
HAS BEEN PUT INTO EFFECT TO OPERATE THE  
DIESEL ENGINES AT A MINIMUM OF 65% (533  
KW) OF FULL LOAD AND MAXIMUM OF 85% (697  
KW) OF FULL LOAD CAPACITY (820 KW) TO  
AVOID EXCEEDING NOX LIMIT OF 9.0 GRAMS  
PER BREAK HORSEPOWER-HOUR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 07/11/2001 for the period 03/12/2001 through 06/11/2001

**Condition 48: Compliance Certification**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 48.1:**

The Compliance Certification activity will be performed for:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



Emission Unit: U-00001

Process: 002

Emission Source: 00008

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

AN OPERATING PLAN, AS DESCRIBED IN THE  
FEBRUARY 1996 NOX RACT COMPLIANCE PLAN,  
HAS BEEN PUT INTO EFFECT TO OPERATE THE  
DIESEL ENGINES AT A MINIMUM OF 65%  
(747.5 KW) OF FULL LOAD AND MAXIMUM OF  
85% (977.5 KW) OF FULL LOAD CAPACITY (820  
KW) TO AVOID EXCEEDING NOX LIMIT OF 9.0  
GRAMS PER BREAK HORSEPOWER-HOUR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 07/11/2001 for the period 03/12/2001 through 06/11/2001

**Condition 49: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 002

Emission Source: 00009

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

AN OPERATING PLAN, AS DESCRIBED IN THE



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

FEBRUARY 1996 NOX RACT COMPLIANCE PLAN,  
HAS BEEN PUT INTO EFFECT TO OPERATE THE  
DIESEL ENGINES AT A MINIMUM OF 65%  
(747.5 KW) OF FULL LOAD AND MAXIMUM OF  
85% (977.5 KW) OF FULL LOAD CAPACITY (820  
KW) TO AVOID EXCEEDING NOX LIMIT OF 9.0  
GRAMS PER BREAK HORSEPOWER-HOUR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 07/11/2001 for the period 03/12/2001 through 06/11/2001

**Condition 50: Compliance Certification**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 002

Emission Source: 00010

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

AN OPERATING PLAN, AS DESCRIBED IN THE  
FEBRUARY 1996 NOX RACT COMPLIANCE PLAN,  
HAS BEEN PUT INTO EFFECT TO OPERATE THE  
DIESEL ENGINES AT A MINIMUM OF 65%  
(747.5 KW) OF FULL LOAD AND MAXIMUM OF  
85% (977.5 KW) OF FULL LOAD CAPACITY (820  
KW) TO AVOID EXCEEDING NOX LIMIT OF 9.0  
GRAMS PER BREAK HORSEPOWER-HOUR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 07/11/2001 for the period 03/12/2001 through 06/11/2001

**Condition 51: Compliance Certification**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)**

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 003

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limit for a lean burn internal combustion engine which fires gas only. Stack testing is required in order to demonstrate compliance with the regulatory standard.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 3.0 grams per brake horsepower-hour

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 52: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.6(a)(7)**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 003

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 52.2:**

Compliance Certification shall include the following monitoring:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner/operator of this internal combustion engine shall perform an initial compliance stack test. A test protocol shall be submitted for approval at least 90 days prior to testing. Testing procedures shall be those set for in 40CFR60 Appendix A, or any other methods acceptable to the Department and the USEPA for determining compliance with the appropriate NOx limit set forth in section 227-2.4. Testing procedures shall also comply with subpart 202-1.

Parameter Monitored: OXIDES OF NITROGEN

Lower Limit of Monitoring: 1.0 grams per brake horsepower-hour

Upper Limit of Monitoring: 3.0 grams per brake horsepower-hour

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 53: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 003

Emission Source: 00011

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE NEW NATURAL GAS GENERATORS ARE GUARANTEED TO MEET AN EMISSION RATE OF 0.9 GRAMS/BHP HR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

**Condition 54: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 003

Emission Source: 00012

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE NEW NATURAL GAS GENERATORS ARE  
GUARANTEED TO MEET AN EMISSION RATE OF  
0.9 GRAMS/BHP HR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 55: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 003

Emission Source: 00013

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**

THE NEW NATURAL GAS GENERATORS ARE  
GUARANTEED TO MEET AN EMISSION RATE OF  
0.9 GRAMS/BHP HR

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 56: Compliance Certification**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 003

Emission Source: 00014

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE NEW NATURAL GAS GENERATORS ARE  
GUARANTEED TO MEET AN EMISSION RATE OF  
0.9 GRAMS/BHP HR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 57: Compliance Certification**  
**Effective between the dates of 03/12/2001 and 03/11/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Regulated Contaminant:

CAS No: 007446-09-5

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



Name: SULFUR DIOXIDE

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

WHEN FIRING #2 OIL AT EMISSION POINT 00001, THE SULFUR CONTENT IN THE OIL SHALL ALWAYS BE LESS THAN 0.2% BY WEIGHT.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 0.2 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 58: Compliance Certification**

**Effective between the dates of 03/12/2001 and 03/11/2006**

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

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Process: 002

**Item 58.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

**New York State Department of Environmental Conservation**  
**Permit ID: 2-6205-00182/00001      Facility DEC ID: 2600200055**



Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)  
Reports due 30 days after every 6 calendar months (January - June, July - December)

**New York State Department of Environmental Conservation**

Permit ID: 2-6205-00182/00001

Facility DEC ID: 2600200055



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**Condition 59: General Provisions**  
Effective between the dates of 03/12/2001 and 03/11/2006

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

**Item 59.1:**

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 59.2:**

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 59.3:**

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 60: Contaminant List**  
Effective between the dates of 03/12/2001 and 03/11/2006

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

**Item 60.1:**

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

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

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

**Condition 61: Air pollution prohibited**  
Effective between the dates of 03/12/2001 and 03/11/2006

**New York State Department of Environmental Conservation**

**Permit ID: 2-6205-00182/00001**

**Facility DEC ID: 2600200055**



**Applicable State Requirement: 6NYCRR 211.2**

**Item 61.1:**

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.