

New York State Department of Environmental Conservation
Facility DEC ID: 1472204339



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 1-4722-04339/00005
Effective Date: 05/26/2004 Expiration Date: 10/31/2007

Permit Issued To: LONG ISLAND POWER AUTHORITY
333 EARLE OVINGTON BLVD, SUITE 403
UNIONDALE, NY 11553

Contact: EDWARD GRILLI
LIPA
333 EARLE OVINGTON BLVD SUITE 403
UNIONDALE, NY 11553
(516) 719-9877

Facility: HOLTSVILLE MOBILE GENERATING FACILITY
607 UNION AVENUE
HOLTSVILLE, NY 11742

Description:
NATURE OF BUSINESS OF THE FACILITY:

Electric power generation.

4911 (primary SIC) - Electric Services

TYPE OF EQUIPMENT AND OPERATION AT THE FACILITY:

The facility consists of 24 trailer-mounted Cummins diesel fired reciprocating internal combustion engine MGUs designed to supply power to the LIPA electrical system. Each of the sources has a rated maximum of 1.825 MW electric output. The total facility maximum electric output will be 43.8 MW. Each source will employ an SCR for control of NOx emissions, a CO catalyst for control of CO and VOC emissions, and a particulate trap for the control of particulate emissions. The facility will fire ultra low sulfur diesel (30 ppm sulfur content diesel) for control of sulfur dioxide and particulates. The total tons of NOx from this facility will be capped to 22.5 tons per year.

AIR PERMIT APPLICABILITY:

Air State Facility for a new reciprocating internal combustion engine facility. The facility's potential emissions of oxides of nitrogen are being capped below Title V thresholds. The emission potentials for carbon monoxide, particulate matter, sulfur dioxide and VOCs are all naturally below the applicability threshold of Title V.

FINAL

New York State Department of Environmental Conservation
Facility DEC ID: 1472204339



CAPPING/NON-APPLICABLE RULES:

Yes. Based upon an emissions the facility is capped from 6 NYCRR Subpart 231-2 and non-applicable to the following rules: 6 NYCRR Part 204 and 6 NYCRR Subpart 227-2.

CONSENT ORDERS OR COMPLIANCE PLANS:

None.

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: WILLIAM R ADRIANCE
 DIVISION OF ENVIRONMENTAL PERMITS
 625 BROADWAY
 ALBANY, NY 12233-1750

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 1

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

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



New York State Department of Environmental Conservation
Facility DEC ID: 1472204339

transfer of ownership.

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 in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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

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

Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 1 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 1 Headquarters
Division of Environmental Permits
SUNY Campus, Loop Road, Building 40
Stony Brook, NY 11790-2356
(631) 444-0365



New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: LONG ISLAND POWER AUTHORITY
333 EARLE OVINGTON BLVD, SUITE 403
UNIONDALE, NY 11553

Facility: HOLTSVILLE MOBILE GENERATING FACILITY
607 UNION AVENUE
HOLTSVILLE, NY 11742

Authorized Activity By Standard Industrial

New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

1 6NYCRR 201-6.5(g): Non Applicable requirements

Emission Unit Level

EU=0-00001

2 6NYCRR 227-1.3(a): Compliance Demonstration

3 6NYCRR 227.2(b)(1): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

4 ECL 19-0301: Contaminant List

5 6NYCRR 201-1.4: Unavoidable noncompliance and violations

6 6NYCRR 201-5: Monitoring and recordkeeping clarification.

7 6NYCRR 201-5: Emission Unit Definition

8 6NYCRR 201-5: Compliance Demonstration

9 6NYCRR 201-5: Compliance Demonstration

10 6NYCRR 201-5: Compliance Demonstration

11 6NYCRR 201-5: Compliance Demonstration

12 6NYCRR 201-5: Compliance Demonstration

13 6NYCRR 201-5: Compliance Demonstration

14 6NYCRR 201-7.2: Facility Permissible Emissions

*15 6NYCRR 201-7.2: Capping Monitoring Condition

16 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

17 6NYCRR 201-5: Emission Point Definition By Emission Unit

18 6NYCRR 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping. Classification Code:

4911 - ELECTRIC SERVICES

Permit Effective Date: 05/26/2004

Permit Expiration Date: 10/31/2007



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6NYCRR Part 200.5

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 labeling 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.

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.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

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.

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination

New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339



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.

Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2

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.

Item E: Emergency Defense - 6NYCRR Part 201-1.5

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



New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339

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.

Item F: Recycling and Salvage - 6NYCRR Part 201-1.7

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.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8

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.

Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)

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.

Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)

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



New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339

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.

Item J: Required Emission Tests - 6 NYCRR Part 202-1.1

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.

Item K: Visible Emissions Limited - 6 NYCRR Part 211.3

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.

Item L: Open Fires - 6 NYCRR Part 215

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.

Item M: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not



New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339

limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

FEDERAL APPLICABLE REQUIREMENTS

The following conditions are federally enforceable.

**Condition 1: Non Applicable requirements
Effective between the dates of 05/26/2004 and 10/31/2007**

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

Item 1.1:

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 204-1

Reason: The size of each individual engine (1.825 MW) is less than the applicability threshold of 15 MW. Therefore, the 6 NYCRR Part 204 NOx Budget regulations do not apply to this facility.

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

Condition 2: Compliance Demonstration



New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339

Effective between the dates of 05/26/2004 and 10/31/2007

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

Item 2.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001

Item 2.2:

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 operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

Subsequent reports are due every 12 calendar month(s).

Condition 3: Compliance Demonstration

Effective between the dates of 05/26/2004 and 10/31/2007

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

Item 3.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Upon request the facility shall perform the following:

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 201-1.10(a)

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.

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

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

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



law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 4: Contaminant List
Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: ECL 19-0301

Item 4.1:

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

Condition 5: Unavoidable noncompliance and violations
Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State 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 issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. 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



New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339

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. These reporting requirements are superseded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(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.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 6: Monitoring and recordkeeping clarification.
Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 201-5

Item 6.1: This facility shall be remotely operated as stated in its permit application. Therefore, all monitoring data and records that are required to be kept on-site shall be maintained at the following location:

Long Island Power Authority
Shoreham Field Office
227 North Country Road
Wading River, NY 11792-9300

The Department will allow the facility to maintain records electronically. Hard copies must be kept for records that are not able to be kept electronically. The duration of time that the records are to be kept are defined in each specific monitoring requirement, in this permit.

Condition 7: Emission Unit Definition
Effective between the dates of 05/26/2004 and 10/31/2007



New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339

Applicable State Requirement: 6NYCRR 201-5

Item 7.1:

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

Emission Unit: 0-00001

Emission Unit Description:

This emission unit consists of 24 trailer-mounted diesel fired reciprocating internal combustion engine MGUs designed to supply power to the LIPA electrical system. Each source consists of a power generation set and the associated controls. The MGUs will be located outside.

Condition 8: Compliance Demonstration
Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 201-5

Item 8.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase, sell, or offer for sale any distillate fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in the diesel oil (per delivery) must be maintained on site for the duration of the permit.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DIESEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 30 parts per million by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

Condition 9: Compliance Demonstration
Effective between the dates of 05/26/2004 and 10/31/2007



New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339

Applicable State Requirement: 6NYCRR 201-5

Item 9.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall not operate for more than eight (8) hours in a day. This eight hour period of operation is limited from 12:00 PM through 8:00 PM. This is based on the modeling of significant impact levels for PM-10. The facility shall record in a bound log the total number of hours run daily and the to and from times which the operation occurred, for each source. This log must be maintained at the facility for the duration of the permit.

Work Practice Type: HOURS PER DAY OPERATION

Upper Permit Limit: 8 hours

Monitoring Frequency: DAILY

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

Condition 10: Compliance Demonstration

Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 201-5

Item 10.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-00001

Regulated Contaminant(s):

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

Item 10.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall perform an initial stack test to determine compliance with their proposed NOx limit of 4.14 lbs per hour. Eight (8) of the 24 engines shall be tested. The facility shall submit a stack test protocol to the Department for approval, no later than 60 days prior to testing and not more than 180 days after commercial operation of the facility. The facility shall submit the test results to the Department for approval within 30 days after the compliance stack testing has concluded.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 4.14 pounds per hour

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 11: Compliance Demonstration
Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 201-5

Item 11.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility will be limited to operating from May 1st through October 31st. The facility shall track, in a bound log, each date where operation occurred at the facility. This log must be maintained at the facility for the duration of the permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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



New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339

Condition 12: Compliance Demonstration

Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 201-5

Item 12.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Once particulate traps are installed the facility must operate those engines first. The facility must shutdown the engines without traps prior to shutting down the engines which have traps. The facility shall maintain a log of engine operations, which includes the date of particulate trap installation and the date, time, and duration of operation from each engine. This log shall be maintained at the facility for the duration of the permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2004.

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

Condition 13: Compliance Demonstration

Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 201-5

Item 13.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Required particulate trap installation deadlines:

1) LIPA must install particulate traps on a minimum of six engines by no later than September 1st, 2004.

New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339



2) LIPA must install particulate traps on a minimum of six additional engines (this would mean that a minimum of 12 engines have traps installed) by no later than October 1st, 2004.

3) LIPA must install particulate traps on the remaining 12 engines by no later than December 31st, 2004. This will complete LIPA's obligation to install 24 particulate traps at this facility.

After each required deadline: LIPA will notify Ajay Shah by phone at (631) 444-0205 within one business day of completion of installation of these traps. LIPA will send a letter of completion of installation within 5 days to both Ajay Shah in the Region 1 NYSDEC office and to Rob Sliwinski in the Albany NYSDEC office.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 14: Facility Permissible Emissions
Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 201-7.2

Item 14.1:

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 15: Capping Monitoring Condition
Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 201-7.2

Item 15.1:

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

6NYCRR 201-6
6NYCRR 227-2

New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339



6NYCRR 231-2

Item 15.2:

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

Item 15.3:

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

Item 15.4:

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

Item 15.5:

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

Item 15.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 15.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall calculate and record their annual emissions of NOx on a monthly rolling basis. The calculation will be based on the following equation:

$$0.034 \text{ lbs/gal} * \text{Oil} \leq 22.5 \text{ tons/yr}$$

Where:

oil = total fuel used in gallons per year.

New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339



The facility shall maintain these records at the facility for the duration of the permit.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 22.5 tons per year
Reference Test Method: 40 CFR 60 Appendix A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2004.
Subsequent reports are due every 3 calendar month(s).

Condition 16: Air pollution prohibited
Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 211.2

Item 16.1:

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 17: Emission Point Definition By Emission Unit
Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 201-5

Item 17.1:

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

Emission Unit: 0-00001

Emission Point: 24EPS

Height (ft.): 28

Diameter (in.): 28

New York State Department of Environmental Conservation

Permit ID: 1-4722-04339/00005

Facility DEC ID: 1472204339



Condition 18: Process Definition By Emission Unit
Effective between the dates of 05/26/2004 and 10/31/2007

Applicable State Requirement: 6NYCRR 201-5

Item 18.1:

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

Emission Unit: 0-00001

Process: P01

Source Classification Code: 2-01-001-02

Process Description:

This process consists of the firing of ultra low sulfur diesel in 24 trailer-mounted reciprocating internal combustion engine MGUs.

Emission Source/Control: 00001 - Combustion

Design Capacity: 2,647 horsepower (mechanical)

Emission Source/Control: CAT01 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: PART1 - Control

Control Type: PARTICULATE TRAP

Emission Source/Control: SCR01 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)