

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2620200007**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6202-00007/00015  
Mod 0 Effective Date: 10/22/2002 Expiration Date: 10/21/2007  
Mod 1 Effective Date: 05/16/2007 Expiration Date: 10/21/2007  
Mod 2 Effective Date: 10/31/2006 Expiration Date: No expiration date.

Permit Issued To: NYC DEPT OF ENVIRONMENTAL PROTECTION  
96-05 HORACE HARDING EXPWY  
FLUSHING, NY 11368

Contact: NYC DEPT OF ENVIRONMENTAL PROTECTION  
96-05 HORACE HARDING EXPWY  
FLUSHING, NY 11368  
(718) 595-5050

Facility: NYC-DEP NORTH RIVER WPCP  
725 W 135TH ST  
NEW YORK, NY 10031

Contact: NYC-DEP NORTH RIVER WPCP  
725 W 135 STREET  
NEW YORK, NY 10031  
(718) 595-5050

Description:  
The following items were changed from the original issued permit:

Air Quality Monitoring Network (AQMN), Stack Testing, Continuous Opacity Monitors (COMs) and NOx RACT requirements.

Two emergency power generators operates less than 500 hrs. per year. These emergency power generators may participate in NY State Demand Reduction Program, when needed. One 200 KW black start engine (March 2004), will be operated for maintenance activities and emergency power generators black start up, is an exempt source.

Odor Control System: The plant is undergoing modification constructions at two of the plant's three major odor control systems. The modification constructions include installing additional wet scrubbers and activated carbon vessels to the North and South Odor Control Systems.

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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  
   DIVISION OF ENVIRONMENTAL PERMITS  
   ONE HUNTERS POINT PLAZA, 47-40 21ST STREET  
   LONG ISLAND CITY, NY 11101-5407

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, modifications and transfers  
Applications for Permit Renewals and Modifications  
Permit modifications, suspensions or revocations by the Department  
Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal-REGION 2  
HEADQUARTERS  
Submission of application for permit modification or renewal-REGION 2  
HEADQUARTERS

**DEC SPECIAL CONDITIONS**

Air Quality Monitoring Network  
Air Quality Monitoring Network - Installation  
Air Quality Monitoring Network - Monitoring  
Air Quality Monitoring Network - Reporting  
Air Quality Monitoring Network - Telemetry  
Continuous Opacity Monitors  
Continuous Opacity Monitors - Installation  
Continuous Opacity Monitors - Reporting  
Continuous Opacity Monitors - Telemetry  
General Requirements



**DEC GENERAL CONDITIONS**

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

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

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Item 2.1:**

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

**Condition 1-1: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6NYCRR 621.11**

**Item 1-1.1:**

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 1-1.2:**

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 1-1.3:**



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

**Condition 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 transfer of ownership.

**Condition 1-2: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 1-2.1:**

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.

**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;

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- 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 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

**Condition 1-3: Submission of application for permit modification or renewal-REGION 2 HEADQUARTERS**

**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 1-3.1:**

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



**DEC SPECIAL CONDITIONS**

**Condition 1-4: Air Quality Monitoring Network**  
**Applicable State Requirement: 6NYCRR 617.7**

Item 1-4.1:

1. Within sixty days of permit issuance, submit for NYSDEC's approval, an Air Quality Monitoring Network (AQMN) Plan for Hydrogen Sulfide (H<sub>2</sub>S) at the community monitoring stations including an approvable QA/QC plan. The AQMN Plan shall also include installation, operation and maintenance of Meteorological Stations.

2. After twelve months of "quality data" NYCDEP may submit a request to discontinue the operation of the 3 community monitoring stations. Such request may be granted if there are no exceedances of H<sub>2</sub>S standard (10 ppb) attributed to the North River WPCP during the 12 month period. "Quality data" means that NYCDEP is required to attain a minimum 90% annual data capture level and a minimum of 85% data capture for each quarter. Any quarter with 85% or less of data capture requires investigation and corrective action by NYCDEP.

**Condition 1-5: Air Quality Monitoring Network - Installation**  
**Applicable State Requirement: 6NYCRR 617.7**

Item 1-5.1:

The implementation of the Plan shall commence within thirty days of DEC's approval and shall be completed within ninety days of DEC's approval.

**Condition 1-6: Air Quality Monitoring Network - Monitoring**  
**Applicable State Requirement: 6NYCRR 617.7**

Item 1-6.1:

NYCDEP shall investigate observation by any community monitoring station of a one-hour-average H<sub>2</sub>S reading of 10 ppb or more. If attributed to the North River WPCP, the investigation shall determine the cause of such incident and corrective measures taken. The notification reports of such observations shall be forwarded to NYSDEC Region 2 office within two business days of such incident. DEP shall submit complete investigation reports of such incidents with the Quarterly Reports.

**Condition 1-7: Air Quality Monitoring Network - Reporting**  
**Applicable State Requirement: 6NYCRR 617.7**

Item 1-7.1:

NYCDEP is required to submit a quarterly AQMN report. The quarterly report shall be submitted no later than 30 days after each quarter. NYCDEP is required to report any exceedances, violations,



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complaints, within two hours to the NYSDEC Region 2 office. A full written report of any such incident should be submitted to RAPCE with the Quarterly Report.

Copies of all reports shall be sent to RAPCE, NYSDEC Region 2 office, 47-40 21 Street, Long Island City, NY 11101.

**Condition 1-8: Air Quality Monitoring Network - Telemetry**  
**Applicable State Requirement: 6NYCRR 617.7**

Item 1-8.1:

NYCDEP is required to maintain a telemetry system which would transmit AQMN data to the NYSDEC Region 2 office on a real time continuous basis.

**Condition 1-9: Continuous Opacity Monitors**  
**Applicable State Requirement: 6NYCRR 617.7**

Item 1-9.1:

NYCDEP shall install Continuous Opacity Monitors (COMs) at two pump engine stacks and three blower engine stacks to monitor opacity. The plan to install the COMs shall be submitted to NYSDEC within sixty days of permit issuance.

**Condition 1-10: Continuous Opacity Monitors - Installation**  
**Applicable State Requirement: 6NYCRR 617.7**

Item 1-10.1:

The COMs shall be installed in accordance with the plan submitted under item number 1-6.1. The maintenance and QA/QC of the COMs shall be done in accordance with manufacturer's recommendation.

**Condition 1-11: Continuous Opacity Monitors - Reporting**  
**Applicable State Requirement: 6NYCRR 617.7**

Item 1-11.1:

NYCDEP is required to submit a quarterly COMs report. The quarterly report shall be submitted no later than 30 days after each quarter. NYCDEP is required to report any exceedances, violations, complaints, within two hours to the NYSDEC Region 2 office. A full written report of any such incident should be submitted to the NYSDEC Region 2 office in Quarterly Reports.

Copies of all reports shall be sent to RAPCE, NYSDEC Region 2 office, 47-40 21 Street, Long Island



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City, NY 11101.

**Condition 1-12: Continuous Opacity Monitors - Telemetry**  
**Applicable State Requirement: 6NYCRR 617.7**

Item 1-12.1:

NYCDEP is required to maintain a telemetry system which would transmit COMs data to the NYSDEC Region 2 office on a real time continuous basis.

**Condition 6: General Requirements**  
**Applicable State Requirement: 6NYCRR 617.7**

**Expired by Mod No: 1**

**Item 6.1:**  
**Ambient Air Quality Monitoring Network (AQMN) :**

The Permit requires the facility to replace all the existing monitoring stations and the meteorological stations with the new equipment as the current equipment is old and unreliable. The existing monitoring station #8 will be terminated. The permit requires the facility to relocate the in-plant monitoring station #3 from the North Wall to the SouthEast Wall near the effluent tank as monitoring station #9.

The permit requires the facility to continue to operate and maintain hydrogen sulfide (H<sub>2</sub>S) air monitoring stations at all four in-plant monitoring stations and the three community monitoring stations. These are regulated under 211.2 and 257.

The permit requires the facility to raise the probe height for the VOC monitor at the community monitoring station #6 to a more representative location.

The facility is required to continue monitoring VOC at station #7 and relocated station #6. The permit requires that the monitoring schedule for VOC sampling at stations #6 and #7 be put on the same schedule as the national program for manual sampling (one sample every six days).

The facility is required to continue monitoring Particulates (PM-10) and sample for metals at community monitoring stations #6 and #7.

The facility is required to conduct monitoring PM 2.5, at a representative location. NYCDEP is required to submit a plan to NYSDEC within 30 days of the issuance of the permit regarding monitoring PM<sub>2.5</sub>, for NYSDEC's review and approval. NYCDEP shall start monitoring PM<sub>2.5</sub> within 60 days of NYSDEC's approval of the subject plan.

The facility is required to conduct monitoring Formaldehyde at community monitoring station #7. NYCDEP is required to submit a plan to NYSDEC within 30 days of the issuance of the permit regarding monitoring Formaldehyde, for NYSDEC's review and approval. NYCDEP shall start monitoring



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Formaldehyde within 60 days of NYSDEC's approval of the subject plan.

The facility is required to install and operate one meteorological instrumentation package. This will be to ensure the measuring of representative meteorological conditions. The facility is required to submit a plan to NYSDEC within 30 days of the issuance of the permit regarding the meteorological station installation and operation (Met Station Plan). The permit requires the facility to start monitoring meteorological data within 60 days of NYSDEC's approval of the subject plan.

NYCDEP is required to report all AQMN data (parameters monitored, QA/QC performed, sampling results, etc) every quarter. The report for each quarter should be submitted within 30 days of quarter ending period.

In addition, the permittee must submit a comprehensive Air Quality Monitoring Plan (AQMP) that incorporates all equipment upgrades, monitoring locations, meteorological equipment, laboratory procedures, and a quality control /quality assurance (QA/QC) plan, within 30 days of the permit issuance. These documents will be subject to NYSDEC review and approval. Current monitoring locations may be changed based on NYSDEC's review and approval of the AQMP. In addition, NYCDEP is required to attain a minimum 90% annual data capture for each contaminant in the network. missing data greater than 10% per contaminant shall constitute violations and be subject to NYCDEP penalties.

Furthermore, NYCDEP is required to submit all continuous data (hydrogen sulfide, opacity, meteorological data) to NYSDEC's Region 2 office on a real-time continuous basis, and all integrated samples (rest of the network) on a quarterly basis, to be submitted no later than 30 days after the end of calendar quarter.

Furthermore, the permit requires the facility to report any exceedances / violations / complaints to NYSDEC within two hours of initial receipt, by telefax to the attention of the North River WPCP environmental Monitor, and Regional Air Pollution Control Engineer (RAPCE). Region 2 office fax number at present is 718 482-4874. Meanwhile, the facility will continue its investigation to identify sources/reasons for all such incidents and submit a written finding report to NYSDEC within 10 days of the original incident.

The permit requires NYCDEP to hire two separate consultants to conduct the air monitoring as described above and in various permit conditions. These include operating and maintaining all the monitoring stations, collecting and analyzing samples, ensuring equipment performance. One consultant will perform the actual operations at various monitoring stations and the second consultant will perform the QA/QC audit.

The NYCDEP will reimburse the NYSDEC for the employment of two staff (environmental monitors). In addition, NYCDEP will reimburse NYSDEC for one environmental health scientist, to be hired to review the data and perform health related studies.

Once every thirty days, NYCDEP shall publish all data received from the AQMN and each opacity monitor on a publically available web page.

A copy of each of all reports shall be sent to the RAPCE, Regional Water Engineer and Regional Attorney at the NYSDEC Region 2 office and to the Bureau of Toxic Assessment, NYSDEC, 625

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Broadway, Albany, NY 12233. Also copies of the reports should be provided to interested public officials and community groups.



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: NYC DEPT OF ENVIRONMENTAL PROTECTION  
96-05 HORACE HARDING EXPWY  
FLUSHING, NY 11368

Facility: NYC-DEP NORTH RIVER WPCP  
725 W 135TH ST  
NEW YORK, NY 10031

Authorized Activity By Standard Industrial Classification Code:  
4952 - SEWERAGE SYSTEMS

Mod 0 Permit Effective Date: 10/22/2002

Permit Expiration Date: 10/21/2007

Mod 1 Permit Effective Date: 05/16/2007

Permit Expiration Date: 10/21/2007



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 1-2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 9 6NYCRR 202-2.1: Compliance Certification
- 10 6NYCRR 202-2.5: Recordkeeping requirements
- 1-3 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 1-4 6NYCRR 200.7: Maintenance of Equipment
- 1-5 6NYCRR 201-1.7: Recycling and Salvage
- 1-6 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1-7 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 1-8 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 1-9 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 1-10 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 1-11 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 1-12 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 1-13 6NYCRR 202-1.1: Required Emissions Tests
- 1-14 6NYCRR 211.3: Visible Emissions Limited
- 1-15 6NYCRR 211.3: Compliance Certification
- 1-16 40CFR 68: Accidental release provisions.
- 26 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 1 6NYCRR 201-6: Emission Unit Definition
- 7 6NYCRR 201-6.5(g): Non Applicable requirements
- 8 6NYCRR 202-1.1: Required Emissions Tests - Facility Level
- 1-17 6NYCRR 212: Compliance Certification
- 1-18 6NYCRR 212: Compliance Certification
- 1-19 6NYCRR 212: Compliance Certification
- 1-20 6NYCRR 212: Compliance Certification
- 1-21 6NYCRR 225-1.8(a): Compliance Certification
- 17 6NYCRR 225-1.8(d): Sampling, compositing, and analysis of fuel samples
- 1-22 6NYCRR 225.1(a)(3): Compliance Certification
- 1-23 6NYCRR 227-1.3(a): Compliance Certification
- 20 6NYCRR 227-1.4(b): Compliance Certification
- 24 40CFR 63.1586, Subpart VVV: Existing Non-Industrial POTW Treatment Plants

#### Emission Unit Level

- 27 6NYCRR 201-6: Emission Point Definition By Emission Unit

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28 6NYCRR 201-6: Process Definition By Emission Unit

**EU=1-PUMPE**

- 1-24 6NYCRR 227-1.3: Compliance Certification
- 1-25 6NYCRR 227-1.3(a): Compliance Certification
- 1-26 6NYCRR 227-2.4(f)(2): Compliance Certification
- 1-27 6NYCRR 227-2.4(f)(2): Compliance Certification
- 32 6NYCRR 227.2(b)(1): Compliance Certification

**EU=2-BLENG**

- 1-28 6NYCRR 227-1.3: Compliance Certification
- 1-29 6NYCRR 227-1.3(a): Compliance Certification
- 1-30 6NYCRR 227-2.4(f)(2): Compliance Certification
- 1-31 6NYCRR 227-2.4(f)(2): Compliance Certification
- 44 6NYCRR 227.2(b)(1): Compliance Certification

**EU=3-BLERS**

- 1-32 6NYCRR 227-1.3: Compliance Certification
- 1-33 6NYCRR 227-1.3(a): Compliance Certification
- 51 6NYCRR 227-2.4(d): Compliance Certification
- 52 6NYCRR 227.2(b)(1): Compliance Certification

**EU=4-WWTRE**

- 1-34 6NYCRR 212.4: Compliance Certification

**EU=5-SLUDG**

- 1-35 6NYCRR 212.4: Compliance Certification

**EU=6-MISCL**

- 1-36 6NYCRR 212.4: Compliance Certification

**EU=6-MISCL,Proc=FLR**

- 59 6NYCRR 227-2.4(g): Compliance Certification

**EU=6-MISCL,Proc=GAS**

- 1-37 6NYCRR 230.2(g): Compliance Certification
- 1-38 6NYCRR 230.2(k): Compliance Certification

**EU=6-MISCL,Proc=GAS,ES=GPUMP**

- 60 6NYCRR 230.2(d)(1): Stage I and II requirements for tanks  
constructed, replaced, or substantially modified after June 27, 1987
- 62 6NYCRR 230.2(g): Compliance Certification
- 63 6NYCRR 230.5: Compliance Certification

**EU=6-MISCL,Proc=GEN,ES=TGEN1**

- 1-39 6NYCRR 227-2.4(e)(1): Compliance Certification
- 1-40 6NYCRR 227.2(b)(1): Compliance Certification



**EU=6-MISCL,Proc=GEN,ES=TGEN2**

1-41 6NYCRR 227-2.4(e)(1): Compliance Certification

1-42 6NYCRR 227.2(b)(1): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

64 ECL 19-0301: Contaminant List

65 6NYCRR 201-1.4: Unavoidable noncompliance and violations

66 6NYCRR 211.2: Air pollution prohibited

1-43 6NYCRR 211.2: Compliance Demonstration

1-44 6NYCRR 211.2: Compliance Demonstration

1-45 6NYCRR 211.2: Compliance Demonstration

1-46 6NYCRR 211.2: Compliance Demonstration

76 6NYCRR 211.2: Compliance Demonstration



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Emergency Defense - 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 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 B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



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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.

**Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**

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

**Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**

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

**Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**

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

**Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in

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order to maintain compliance with the conditions of this permit.

**Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**

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

**Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)**

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

**Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)**

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

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

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Act;

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

**Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)**

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

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

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

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit



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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Item L: Permit Exclusion - ECL 19-0305**

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

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

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

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

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

**Condition 1-1: Acceptable Ambient Air Quality**  
**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1-1.1:**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit

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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 1-2: Fees**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(7)**

**Item 1-2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring**

**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 3.1:**

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

**Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 10/22/2002 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)**

**Item 4.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



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regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 5: Compliance Certification**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

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(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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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)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 6: Compliance Certification**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the

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following:

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related 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.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All 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:



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USEPA Region 2  
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  
625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2003.  
Subsequent reports are due on the same day each year

**Condition 9: Compliance Certification**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 9.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 9.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:  
Emission statements shall be submitted on or before April  
15th each year for emissions of the previous calendar  
year.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due by April 15th for previous calendar year

**Condition 10: Recordkeeping requirements**



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**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 10.1:**

(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 1-3: Open Fires Prohibited at Industrial and Commercial Sites**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 1-3.1:**

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT  
TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 1-4: Maintenance of Equipment**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 1-4.1:**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 1-5: Recycling and Salvage**

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**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-5.1:**

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 the ECL.

**Condition 1-6: Prohibition of Reintroduction of Collected Contaminants to the air**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-6.1:**

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 1-7: Exempt Sources - Proof of Eligibility**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-7.1:**

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 this Subpart. 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 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 1-8: Trivial Sources - Proof of Eligibility**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-8.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. 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 this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.



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**Condition 1-9: Standard Requirement - Provide Information**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)**

**Item 1-9.1:**

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

**Condition 1-10: General Condition - Right to Inspect**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)**

**Item 1-10.1:**

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

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 1-11: Standard Requirements - Progress Reports**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)**

**Item 1-11.1:**

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance,



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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 1-12: Off Permit Changes**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-12.1:**

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 1-13: Required Emissions Tests**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-13.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 1-14: Visible Emissions Limited**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 211.3**



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**Item 1-14.1:**

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 1-15: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 1-15.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-15.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, 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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
  - weather condition
  - was a plume observed?

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

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

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 1-16: Accidental release provisions.**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 40CFR 68**

**Item 1-16.1:**

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of



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the following, if such quantities are present:

- 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
- 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 26: Recycling and Emissions Reduction**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 26.1:**

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

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

**Condition 1: Emission Unit Definition**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 1.1(From Mod 1):**

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

Emission Unit: 1-PUMPE

Emission Unit Description:

This emission unit consists of five (5) Delaval Transamerican r-46 1700 bhp dual fuel-fired engines. These engines provide power to operate the main sewage pumps at the wwtp. The primary fuel is the plant's digester gas with #2 diesel fuel oil as the pilot fuel (~8% btu value pilot). The pump engines also operate with #2 diesel as the primary fuel and modifications implemented to permit the engines to also operate with natural gas as the primary fuel in 1999 also with diesel



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pilot. The engines can also be operated with fuel blends of oil & digester gas and eventually with oil & natural gas. Crank case exhaust vent of these pump engines are conveyed to the plant's north odor control system for treatment.

Building(s): MAIN

**Item 1.2(From Mod 1):**

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

Emission Unit: 2-BLENG

Emission Unit Description:

This emission unit consists of five (5) Mirrlees-Blackstone k 5 940 bhp dual fuel-fired engines. These engines provide power to operate the process air blowers at the wwtp. The primary fuel is the plant's digester gas with #2 diesel oil as the pilot fuel (~6-8% btu value pilot). These engines also operate with #2 diesel as the primary fuel and pilot modifications implemented to permit the engines to also operate with natural gas as the primary fuel with diesel pilot in 2000. The engines can also operate with blends of diesel & gas as the primary fuel with diesel pilot. Crank case exhaust vent of these blower engines are conveyed to the plant's north odor control system for treatment.

Building(s): MAIN

**Item 1.3(From Mod 1):**

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

Emission Unit: 3-BLERS

Emission Unit Description:

This emission unit consists of 4 cleaver brooks boilers firing #2 diesel oil and digester gas. Boilers #1, #3, #4 are 32.3 million btu/hr input; boiler #2 is 8.6 mmbtu/hr input and shares a stack with boiler #3. Modifications are presently underway at the plant to allow the 3 large boilers to also be fueled with utility (natural) gas. Normal operation requires utilization of 2 large boilers & the small boiler during the heating season; during the warm weather months, 1 large & the small boiler or 2 large boilers are normally sufficient.

Building(s): MAIN

**Item 1.4(From Mod 1):**

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



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Emission Unit: 4-WWTRE

Emission Unit Description:

The unit consists of the plant's wastewater treatment processes. These processes include the headworks, influent channels, residuals area and waste sludge wet well (wsww), primary settling tanks (psts), aeration tanks (ats), and final settling and chlorine contact tanks. Air from the headworks, psts, influent channels, residuals area, wsww, and ats is collected & vented through wet chemical scrubbers and carbon adsorbers prior to being exhausted from 2 stacks. This unit also includes the 2 mixed liquor channels (aeration effluent channels) which are covered with the air being exhausted through 8 small carbon adsorber units each with 600cfm capacity. Planning is underway to replace these 8 carbon adsorbers via tie-in to the plant's south odor control system possibly by 2008. Modification to continuously adjust the water level in the final settling tanks effluent channel will be completed by 2005. Emissions from these processes depend on the concentrations of pollutants in the plant's influent of which the plant does not have complete control. Therefore, the emissions are based on currently available data.

Building(s): AERATION  
CHLORCONT  
FINAL  
MAIN  
PRIMARY

**Item 1.5(From Mod 1):**

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

Emission Unit: 5-SLUDG

Emission Unit Description:

This unit consists of the plant's sludge handling processes. These wastewater treatment processes' include 10 gravity thickening tanks, 8 sludge digester tanks, and 1 sludge storage tank and gas holder and associated operations. The thickeners, sludge storage tank and fugitive emissions from the gas holder are vented to the south odor control system consisting of wet chemical scrubbers and carbon adsorbers. Gas vents in the area of these sludge handling process, and the sludge barge area, are conveyed to the plant south odor control system for treatment.

Building(s): SDOCK

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**SLUDGE**

**Item 1.6(From Mod 1):**

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

Emission Unit: 6-MISCL

Emission Unit Description:

This unit consists of the plant's two 2800 kw emergency turbine generators, one waste gas tower to flare excessive sludge gas, and one gasoline dispensing pump. One 200 kw engine generator (exempt) is to be installed for blackstart of the two emergency turbine generators. Two 2800 kw emergency turbine generators also participate in New York State demand reduction programs, when needed.

Building(s): MAIN  
SDOCK  
SLUDGE

**Condition 7: Non Applicable requirements**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 7.1:**

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.

**Condition 8: Required Emissions Tests - Facility Level**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 8.1:**

**An acceptable report of measured emissions shall be submitted, as required by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.**

**Condition 1-17: Compliance Certification**  
**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 212**

**Item 1-17.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-17.2:**



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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within sixty days of completion of the approved stack test, NYCDEP shall submit a Stack Test Report to the NYSDEC REGION 2 office and within ninety days of the approved stack test, NYCDEP shall submit an Air Guide-1 analyses of the emitted pollutants to the NYSDEC Region 2 office.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-18: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 212**

**Item 1-18.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-18.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within sixty days of permit issuance, NYCDEP shall submit an approvable protocol to stack test for pollutants emitted from its combustion processes and odor control systems.

Reference Test Method: EPA approved

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-19: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 212**

**Item 1-19.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-19.2:**

Compliance Certification shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must maintain a daily log of Digester Gas produced and emitted to atmosphere, information of measurement, name of record keeper, date of information, and report it to the Department quarterly.

Monitoring Frequency: DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 1-20: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 212**

**Item 1-20.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-20.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within ninety days of approval of the stack test protocol, NYCDEP shall perform the stack test in accordance with the approved protocol.

Reference Test Method: EPA approved

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-21: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-21.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-21.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS



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**Monitoring Description:**

All New York City service contracts require suppliers to provide fuel oils that meet the low sulfur content requirement of 0.2% by weight for distillate fuel oils. The facility should accept fuel delivery only when supplier provides that the fuel delivered meets 0.2% by weight sulfur content requirements and the supplier tests the sulfur content of each delivery in a manner satisfactory to dec. Dep must report quarterly to NYCDEC all the oil sulfur standard exceedances that occurred during the reporting quarter.

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certification shall contain, at a minimum, supplier name, date of shipment, quantity, heating value, sulfur content, method used to determine sulfur content. Such certifications shall be made available for inspection by, or submittal to NYCDEC, upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.2 percent by weight

Reference Test Method: EPA approved

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 7/30/2007.

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

**Condition 17: Sampling, compositing, and analysis of fuel samples  
Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 17.1:**

All sampling, compositing, and analysis of fuel samples, taken to determine compliance with 6 NYCRR Part 225-1, must be done in accordance with methods acceptable to the commissioner.

**Condition 1-22: Compliance Certification  
Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 225.1(a)(3)**



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**Item 1-22.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-22.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any distillate oil which has sulfur content greater than 0.20 percent by weight. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.20 percent by weight  
Monitoring Frequency: PER DELIVERY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-23: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-23.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-23.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall maintain records of all measurements, calibrations, and maintenance of COMs in a permanent form suitable for inspection for a period of at least five years following the date of such measurement.

The Permittee will submit quarterly (calendar) report to



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the Department, within 30 days of the end of the applicable quarter.

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 7/30/2007.

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

**Condition 20: Compliance Certification**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 227-1.4(b)**

**Item 20.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 20.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;
- 4) Total time the COMS is required to record data during the reporting period;
- 5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and
- 6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the



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Environmental Conservation Law (ECL).

Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 3 calendar month(s).

**Condition 24: Existing Non-Industrial POTW Treatment Plants**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

**Applicable Federal Requirement: 40CFR 63.1586, Subpart VVV**

**Item 24.1:**

40CFR63 Subpart VVV imposes no control requirements for existing non-industrial POTW treatment plants.

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

**Condition 27: Emission Point Definition By Emission Unit**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 27.1(From Mod 1):**

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

Emission Unit: 1-PUMPE

Emission Point: 000N3

Height (ft.): 161 Diameter (in.): 36  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: 000N4

Height (ft.): 161 Diameter (in.): 36  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: 000N6

Height (ft.): 161 Diameter (in.): 36  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: 000N7

Height (ft.): 161 Diameter (in.): 36  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: 000N9

Height (ft.): 161 Diameter (in.): 36



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NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

**Item 27.2(From Mod 1):**

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

Emission Unit: 2-BLENG

Emission Point: 00N10

Height (ft.): 161

Diameter (in.): 24

NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: 00N12

Height (ft.): 161

Diameter (in.): 24

NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: 00N13

Height (ft.): 161

Diameter (in.): 24

NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: 00N15

Height (ft.): 161

Diameter (in.): 24

NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: 00N16

Height (ft.): 161

Diameter (in.): 24

NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

**Item 27.3(From Mod 1):**

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

Emission Unit: 3-BLERS

Emission Point: 00N11

Height (ft.): 161

Diameter (in.): 48

NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: 00N14

Height (ft.): 161

Diameter (in.): 48

NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: 00N17

Height (ft.): 161

Diameter (in.): 48

NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

**Item 27.4(From Mod 1):**

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



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Emission Unit: 4-WWTRE

Emission Point: MXLC1

Height (ft.): 52 Diameter (in.): 8  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: AERATION

Emission Point: MXLC2

Height (ft.): 52 Diameter (in.): 8  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: AERATION

Emission Point: MXLC3

Height (ft.): 52 Diameter (in.): 8  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: AERATION

Emission Point: MXLC4

Height (ft.): 52 Diameter (in.): 8  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: AERATION

Emission Point: MXLC5

Height (ft.): 52 Diameter (in.): 8  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: AERATION

Emission Point: MXLC6

Height (ft.): 52 Diameter (in.): 8  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: AERATION

Emission Point: MXLC7

Height (ft.): 52 Diameter (in.): 8  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: AERATION

Emission Point: MXLC8

Height (ft.): 52 Diameter (in.): 8  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: AERATION

Emission Point: NRTH1

Height (ft.): 154 Diameter (in.): 132  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

Emission Point: NRTH2

Height (ft.): 154 Diameter (in.): 132  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: MAIN

**Item 27.5(From Mod 1):**

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

Emission Unit: 5-SLUDG



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Emission Point: SUTH1  
Height (ft.): 169 Diameter (in.): 144  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: SLUDGE

**Item 27.6(From Mod 1):**

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

Emission Unit: 6-MISCL

Emission Point: EGEN1  
Height (ft.): 161 Diameter (in.): 48  
Building: MAIN

Emission Point: EGEN2  
Height (ft.): 161 Diameter (in.): 48  
Building: MAIN

Emission Point: FLARE  
Height (ft.): 77 Diameter (in.): 72  
NYTMN (km.): 4520.023 NYTME (km.): 588.033 Building: SLUDGE

**Condition 28: Process Definition By Emission Unit  
Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 28.1(From Mod 1):**

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

Emission Unit: 1-PUMPE  
Process: DIE Source Classification Code: 2-02-004-01

**Process Description:**

This process is supplemental operation mode to the process DUA when the engines cannot be operated in dual fuel mode, these engines will fire 100% diesel. Approximately 70% of the time the plant operates with 2 pump engines; during periods of peak dry weather flow ~20 - 25% of time plant operates with 3 engines. Fourth pump engine is only needed for peak wet weather flow. Fifth pump engine will always be down for standby or maintenance purposes.

Emission Source/Control: PUMP1 - Combustion  
Design Capacity: 1,700 horsepower (mechanical)

Emission Source/Control: PUMP2 - Combustion  
Design Capacity: 1,700 horsepower (mechanical)



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Emission Source/Control: PUMP3 - Combustion  
Design Capacity: 1,700 horsepower (mechanical)

Emission Source/Control: PUMP4 - Combustion  
Design Capacity: 1,700 horsepower (mechanical)

Emission Source/Control: PUMP5 - Combustion  
Design Capacity: 1,700 horsepower (mechanical)

**Item 28.2(From Mod 1):**

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

Emission Unit: 1-PUMPE

Process: DUA

Source Classification Code: 2-02-004-02

Process Description:

This process is the pump engines' primary operation mode.

Under this process, the engines fire dual fuel (sludge digester gas or natural gas) with diesel oil as pilot fuel. The modifications to allow firing with natural gas were completed during 1999. Approximately 70% of the time the plant operates with 2 pump engines; during periods of peak dry weather flow ~20 - 25% of time plant operates with 3 engines. Fourth pump engine is only needed for peak wet weather flow. Fifth pump engine will always be down for maintenance or standby purposes.

Emission Source/Control: PUMP1 - Combustion  
Design Capacity: 1,700 horsepower (mechanical)

Emission Source/Control: PUMP2 - Combustion  
Design Capacity: 1,700 horsepower (mechanical)

Emission Source/Control: PUMP3 - Combustion  
Design Capacity: 1,700 horsepower (mechanical)

Emission Source/Control: PUMP4 - Combustion  
Design Capacity: 1,700 horsepower (mechanical)

Emission Source/Control: PUMP5 - Combustion  
Design Capacity: 1,700 horsepower (mechanical)

**Item 28.3(From Mod 1):**

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

Emission Unit: 2-BLENG

Process: DIB

Source Classification Code: 2-02-004-01



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**Process Description:**

This process is supplemental operation mode to the process DUB when the engines cannot be operated in dual fuel mode, these engines will fire 100% diesel. Approximately 80% of the time the plant operates with 3 blower engines: during periods of low waste water flow ~20% of time the plant operates with 2 blower engines. Fourth blower engine is only needed occasionally for peak dissolved oxygen demand periods (less than 5% of time). Fifth engine will always be down for standby or maintenance purposes.

Emission Source/Control: BLEN1 - Combustion  
Design Capacity: 940 horsepower (mechanical)

Emission Source/Control: BLEN2 - Combustion  
Design Capacity: 940 horsepower (mechanical)

Emission Source/Control: BLEN3 - Combustion  
Design Capacity: 940 horsepower (mechanical)

Emission Source/Control: BLEN4 - Combustion  
Design Capacity: 940 horsepower (mechanical)

Emission Source/Control: BLEN5 - Combustion  
Design Capacity: 940 horsepower (mechanical)

**Item 28.4(From Mod 1):**

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

Emission Unit: 2-BLENG

Process: DUB

Source Classification Code: 2-02-004-02

**Process Description:**

This process is for the blower engines' primary operation mode. Under this process, the engines fire dual fuel (sludge digester gas or natural gas) with diesel oil as pilot fuel (~6-8%). The modifications to allow firing with natural gas were being completed during early 2000. Approximately 80% of the time the plant operates with 3 blower engines; during periods of low wastewater flow ~20% of time the plant operates with 2 blower engines. Fourth blower engine is only needed occasionally for peak dissolved oxygen demand periods (less than 5% of time). Fifth engine will always be down for standby or maintenance purposes.

Emission Source/Control: BLEN1 - Combustion



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Design Capacity: 940 horsepower (mechanical)

Emission Source/Control: BLEN2 - Combustion  
Design Capacity: 940 horsepower (mechanical)

Emission Source/Control: BLEN3 - Combustion  
Design Capacity: 940 horsepower (mechanical)

Emission Source/Control: BLEN4 - Combustion  
Design Capacity: 940 horsepower (mechanical)

Emission Source/Control: BLEN5 - Combustion  
Design Capacity: 940 horsepower (mechanical)

**Item 28.5(From Mod 1):**

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

Emission Unit: 3-BLERS

Process: BDF

Source Classification Code: 1-03-005-01

Process Description:

This process is when the boilers fire #2 diesel oil. Normal operation requires utilization of 2 large boilers & the small boiler during the heating season; during the warm weather months 1 large & the small boiler or 2 large boilers are normally sufficient.

Emission Source/Control: 0BLR1 - Combustion  
Design Capacity: 32.3 million Btu per hour

Emission Source/Control: 0BLR2 - Combustion  
Design Capacity: 8.6 million Btu per hour

Emission Source/Control: 0BLR3 - Combustion  
Design Capacity: 32.3 million Btu per hour

Emission Source/Control: 0BLR4 - Combustion  
Design Capacity: 32.3 million Btu per hour

**Item 28.6(From Mod 1):**

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

Emission Unit: 3-BLERS

Process: BGG

Source Classification Code: 1-03-007-01

Process Description:

This process is when the boilers fire either digester gas or natural gas. Normal operation requires utilization of 2 large boilers & the small boiler during the heating

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season; during the warm weather months 1 large & the small boiler or 2 large boilers are normally sufficient.

Emission Source/Control: 0BLR1 - Combustion  
Design Capacity: 32.3 million Btu per hour

Emission Source/Control: 0BLR2 - Combustion  
Design Capacity: 8.6 million Btu per hour

Emission Source/Control: 0BLR3 - Combustion  
Design Capacity: 32.3 million Btu per hour

Emission Source/Control: 0BLR4 - Combustion  
Design Capacity: 32.3 million Btu per hour

**Item 28.7(From Mod 1):**

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

Emission Unit: 4-WWTRE

Process: 0AS

Source Classification Code: 5-01-007-31

Process Description:

This process is the plant's wastewater secondary treatment process. This process includes 5 activated sludge aeration tanks @ 330'x74.6'x29.2') and the waste sludge wet well. This process is covered and the air is vented to wet chemical scrubbers and carbon adsorption units prior to being exhausted through 2 large stacks.

Emission Source/Control: 000AT - Process  
Design Capacity: 170,000,000 gallons per day

Emission Source/Control: 0WSWW - Process

**Item 28.8(From Mod 1):**

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

Emission Unit: 4-WWTRE

Process: 0CC

Source Classification Code: 5-01-007-60

Process Description:

This is the plant's chlorine contact (disinfection) process. Total of 4 chlorine contact tanks (639'x28.5'x8'). this process is covered and the air emitted from this process is controlled through wet scrubbers and carbon adsorbers to the south odor control system (SOCS) exhaust stack.

Emission Source/Control: 00CCT - Process



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Design Capacity: 340,000,000 gallons per day

**Item 28.9(From Mod 1):**

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

Emission Unit: 4-WWTRE

Process: OFS

Source Classification Code: 5-01-007-40

Process Description:

This process is the plant's wastewater final settling (FS) process. This process includes 16 final settling tanks (4 bays, 250'x74'x10.9') and the mixed liquor channels which feed the final settling tanks. The two mixed liquor channels are covered and the air is vented to 8 small carbon adsorbers which exhaust in the plenum area above the plant but below the slab of the state park.

The two mixed liquor channels and FST weirs and effluent channels are covered and the air emitted from this process is vented to the south odor control system (SCOS) for dual-stage treatment (wet scrubbers and carbon adsorbers) and exhaust through one large stack.

Emission Source/Control: 00FST - Process

Design Capacity: 255,000,000 gallons per day

Emission Source/Control: 0MXLC - Process

Design Capacity: 170,000,000 gallons per day

**Item 28.10(From Mod 1):**

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

Emission Unit: 4-WWTRE

Process: OPS

Source Classification Code: 5-01-007-20

Process Description:

This process is the plant's wastewater headworks & primary settling (PS) process. This process includes the headworks screens, influent channels, 8 primary settling tanks (6 bays, 187.5'x85.8'x11.5') and residual areas (scum, grit & skimmings collection). This process is covered and the air is vented to wet chemical scrubbers and carbon adsorption units prior to being exhausted thru 2 large stacks.

Emission Source/Control: 0HDIC - Process

Design Capacity: 170,000,000 gallons per day

Emission Source/Control: 0PSTR - Process



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**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**

Design Capacity: 170,000,000 gallons per day

**Item 28.11(From Mod 1):**

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

Emission Unit: 5-SLUDG

Process: OSS

Source Classification Code: 5-01-007-99

Process Description:

This process is the sludge storage (SS) unit process which consists of one (1) 120,000 cuft sludge storage tank and the return sludge overflow boxes & wells which are vented to the south odor control system.

Emission Source/Control: 00SST - Process

Design Capacity: 522,000 cubic feet

**Item 28.12(From Mod 1):**

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

Emission Unit: 5-SLUDG

Process: SAD

Source Classification Code: 5-01-007-81

Process Description:

This process is the sludge anaerobic digestion (SAD) process consisting of eight (8) 200,000 cubic feet digestion tanks and digester overflow boxes. Gases produced in the digestion process are collected and either stored in the gas holder or directed to the engines or boilers as a primary fuel source. Fugitive emissions from the digester relief valves are vented into the south odor control system.

Emission Source/Control: 00ADT - Process

Design Capacity: 1.6 million cubic feet

**Item 28.13(From Mod 1):**

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

Emission Unit: 5-SLUDG

Process: SGT

Source Classification Code: 5-01-007-71

Process Description:

This process is the sludge gravity thickening (SGT) process consisting of 10 (40,000 cubic feet) thickening tanks. These are covered and the collected air is vented through the south odor control system which consists of wet chemical scrubbers & carbon adsorption units.

Emission Source/Control: 00GTT - Process



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**Facility DEC ID: 2620200007**

Design Capacity: 400,000 cubic feet

**Item 28.14(From Mod 1):**

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

Emission Unit: 5-SLUDG

Process: WGH

Source Classification Code: 5-01-007-99

Process Description:

This process is the Wiggins gas holder which is a 135,000 cu ft tank for storage of digester gas produced by the North River plant. Fugitive emissions from this tank are vented to the south odor control system.

Emission Source/Control: 00GTT - Process

Design Capacity: 400,000 cubic feet

**Item 28.15(From Mod 1):**

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

Emission Unit: 5-SLUDG

Process: WGT

Source Classification Code: 5-01-007-89

Process Description:

This process is the gas holder which is a 135,000 cu ft tank for storage of digester gas produced by the North River plant. Fugitive emissions from this tank are vented to the south odor control system.

Emission Source/Control: 00SST - Process

Design Capacity: 522,000 cubic feet

**Item 28.16(From Mod 1):**

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

Emission Unit: 6-MISCL

Process: FLR

Source Classification Code: 5-01-007-89

Process Description:

This process is the flaring of excess sludge digester gas. At times that the sludge digester gas produced at the plant can not be utilized in either the engines or boilers (and the Wiggins gas holder reaches its capacity). The excess sludge digester gas will be burned in the waste gas tower.

Emission Source/Control: WGBNR - Combustion

**Item 28.17(From Mod 1):**

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



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Emission Unit: 6-MISCL

Process: GAS

Source Classification Code: 4-06-004-01

Process Description:

This process is the plant's gasoline station. The station has one 550 gallon tank and one dispensing pump.

Emission Source/Control: GPUMP - Process

Design Capacity: 550 gallons

**Item 28.18(From Mod 1):**

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

Emission Unit: 6-MISCL

Process: GEN

Source Classification Code: 2-04-003-02

Process Description:

This process includes operations of the plant's two emergency turbine generators firing diesel fuel #2. These two emergency turbine generators TGEN1 and TGEN2 each rated 2800 kw and exhaust through their own stacks EGEN1 and EGEN2. These two turbine generators provide back up power for the plant operation in events of electrical power supply interruption or failure, and participate in NY state demand reduction programs, when needed. One 200 kw black start engine generator (exempt) is for black start of these two emergency turbine generators. Total throughput is estimated based on annually 200 hrs operation of both emergency turbine generators.

Emission Source/Control: TGEN1 - Combustion

Design Capacity: 2,800 kilowatts

Emission Source/Control: TGEN2 - Combustion

Design Capacity: 2,800 kilowatts

**Condition 1-24: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 227-1.3**

**Item 1-24.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-PUMPE

**Item 1-24.2:**

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired internal combustion engines which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each internal combustion engine which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

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

- weather condition
- was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency.



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**Facility DEC ID: 2620200007**

Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-25: Compliance Certification**  
**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-25.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: 1-PUMPE

**Item 1-25.2:**  
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 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: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-26: Compliance Certification**  
**Effective between the dates of 05/16/2007 and 10/21/2007**

**New York State Department of Environmental Conservation**

**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**



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

**Item 1-26.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-PUMPE

Regulated Contaminant(s):

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

**Item 1-26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NOx RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit.

Current PM program includes, daily visual observation of operating engines, maintain logs of daily readings of engines' combustion temperature, fluid pressures, and periodically lubrication (oil and filter changes), testing of engine safety devices, and corrective measures taken as needed, as soon as practicable.

Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine oil analysis, and fuel consumption versus power output of the unit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 1-27: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**



**Item 1-27.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-PUMPE

Regulated Contaminant(s):

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

**Item 1-27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The Department acknowledges that the permittee has filed a NOx RACT variance request for the engines in Emission Unit 1-PUMPE. Stack testing will be required before expiration date of the current permit to determine the NOx emissions from these engines. An approvable stack testing protocol shall be submitted within sixty days of permit issuance. Stack testing shall be conducted in accordance with the approved protocol within thirty days of approval. A report summarizing the results of the stack test shall be submitted within sixty days of the stack test.

The 9.0 gm/bhp-hr limit is interim limit.

The Department will establish alternative NOx RACT limits based on the approved stack test results.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9 grams per brake horsepower-hour

Reference Test Method: US EPA Method 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 32: Compliance Certification**

**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 32.1:**

The Compliance Certification activity will be performed for:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**



Emission Unit: 1-PUMPE

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission 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, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 1-28: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 227-1.3**

**Item 1-28.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 2-BLENG

**New York State Department of Environmental Conservation**

**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**



**Item 1-28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired internal combustion engines which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each internal combustion engine which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

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

- weather condition
- was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

\*\* NOTE \*\* Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a



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distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-29: Compliance Certification**  
**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-29.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 2-BLENG

**Item 1-29.2:**

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 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: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-30: Compliance Certification**



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**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-30.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 2-BLENG

Regulated Contaminant(s):

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

**Item 1-30.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NO<sub>x</sub> RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit.

Current PM program includes, daily visual observation of operating engines, maintain logs of daily readings of engines' combustion temperature, fluid pressures, and periodically lubrication (oil and filter changes), testing of engine safety devices, and corrective measures taken as needed, as soon as practicable.

Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine oil analysis, and fuel consumption versus power output of the unit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 1-31: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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**Facility DEC ID: 2620200007**



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

**Item 1-31.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 2-BLENG

Regulated Contaminant(s):

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

**Item 1-31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The Department acknowledges that the permittee has filed a NOx RACT variance request for the engines in Emission Unit 1-PUMPE. Stack testing will be required before expiration date of the current permit to determine the NOx emissions from these engines. An approvable stack testing protocol shall be submitted within sixty days of permit issuance. Stack testing shall be conducted in accordance with the approved protocol within thirty days of approval. A report summarizing the results of the stack test shall be submitted within sixty days of the stack test.

The 9.0 gm/bhp-hr limit is interim limit.

The Department will establish alternative NOx RACTlimits based on the approved stack test results.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9 grams per brake horsepower-hour

Reference Test Method: US EPA Method 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 44: Compliance Certification**

**Effective between the dates of 10/22/2002 and 10/21/2007**

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



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**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 2-BLENG

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission 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, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 1-32: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 227-1.3**

**Item 1-32.1:**

The Compliance Certification activity will be performed for:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**



Emission Unit: 3-BLERS

**Item 1-32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired internal combustion engines which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each internal combustion engine which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

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

- weather condition
- was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The



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distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 1-33: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-33.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 3-BLERS

**Item 1-33.2:**

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 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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

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**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**



**Condition 51: Compliance Certification**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 3-BLERS

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually for each boiler. 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)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

**Condition 52: Compliance Certification**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 3-BLERS

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 52.2:**

Compliance Certification shall include the following monitoring:

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**Permit ID: 2-6202-00007/00015**

**Facility DEC ID: 2620200007**



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission 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, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 1-34: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 212.4**

**Item 1-34.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 4-WWTRE

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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VOC emissions are rated B and shall not exceed 3.5 lb/hr.

Stack testing will be required before expiration date of the current permit to determine VOC emissions from this Emission Unit. An approvable stack testing protocol shall be submitted within sixty days of permit issuance. Stack testing shall be conducted in accordance with the approved protocol within thirty days of approval. A report summarizing the results of the stack test shall be submitted within sixty days of the stack test.

Parameter Monitored: VOC

Upper Permit Limit: 3.5 pounds per hour

Reference Test Method: EPA approved

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-35: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 212.4**

**Item 1-35.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-SLUDG

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions are rated B and shall not exceed 3.5 lb/hr.

Stack testing will be required before expiration date of the current permit to determine VOC emissions from this Emission Unit. An approvable stack testing protocol shall be submitted within sixty days of permit issuance. Stack testing shall be conducted in accordance with the approved protocol within thirty days of approval. A report



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summarizing the results of the stack test shall be submitted within sixty days of the stack test

Parameter Monitored: VOC  
Upper Permit Limit: 3.5 pounds per hour  
Reference Test Method: EPA approved  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-36: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 212.4**

**Item 1-36.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 6-MISCL

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

**Item 1-36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:  
VOC emissions are rated B and shall not exceed 3.5 lb/hr.

Stack testing will be required before expiration date of the current permit to determine VOC emissions from this Emission Unit. An approvable stack testing protocol shall be submitted within sixty days of permit issuance. Stack testing shall be conducted in accordance with the approved protocol within thirty days of approval. A report summarizing the results of the stack test shall be submitted within sixty days of the stack test

Parameter Monitored: VOC  
Upper Permit Limit: 3.5 pounds per hour  
Reference Test Method: EPA approved  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY



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TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 59: Compliance Certification**

**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 6-MISCL

Process: FLR

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner shall maintain records for a period of five years of the hours of operation of this flare and demonstrate that this flare has been operated and maintained in accordance with the manufacturer's specifications. A daily log should be kept on site which will maintain a daily log of digester gas produced and emitted to atmosphere. The facility should record smoking (if it occurs) by Method 22 and submit exception report to the Department.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 1-37: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 230.2(g)**

**Item 1-37.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 6-MISCL

Process: GAS

**Item 1-37.2:**



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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Daily visual inspections of components of stage II vapor collection systems must be performed to ensure the integrity and efficiency of the system. Dispensers with defective stage II components must be removed from service, locked and sealed to prevent vapor loss from operational dispensers until approved replacement parts are installed. A log will be kept recording the results of the inspections. The following information will be recorded at a minimum:

1. Date of the inspection
2. Person performing the inspection
3. Whether any deficiencies were observed and the nature of those deficiencies
4. Corrective action taken if any

Monitoring Frequency: DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 1-38: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 230.2(k)**

**Item 1-38.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 6-MISCL

Process: GAS

**Item 1-38.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Owners and/or operators of stage II systems must perform dynamic pressure tests at 5 year intervals after commencing operations. The back pressure during the dynamic back pressure tests must not exceed 0.95 inches of water column gauge at a flow rate of 100 cubic feet per

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hour.

Parameter Monitored: PRESSURE

Upper Permit Limit: 0.95 inches of water

Reference Test Method: EPA approved

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 60: Stage I and II requirements for tanks constructed, replaced, or substantially modified after June 27, 1987 Effective between the dates of 10/22/2002 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 230.2(d)(1)**

**Item 60.1:**

This Condition applies to Emission Unit: 6-MISCL

Process: GAS

Emission Source: GPUMP

**Item 60.2:**

Stage I and Stage II vapor collection systems are required at any gasoline dispensing site located in the New York City Metropolitan Area which is constructed, replaced, or substantially modified after June 27, 1987, regardless of the annual gasoline throughput at the site.

This requirement does not apply for gasoline tanks with a capacity less than 550 gallons which are used exclusively for farm tractors used for agricultural purposes or for snowplowing.

**Condition 62: Compliance Certification Effective between the dates of 10/22/2002 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 230.2(g)**

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 6-MISCL

Process: GAS

Emission Source: GPUMP

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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**Monitoring Description:**

Daily visual inspections of components of stage II vapor collection systems must be performed to ensure the integrity and efficiency of the system.

**Monitoring Frequency: DAILY**

**Reporting Requirements: SEMI-ANNUALLY (CALENDAR)**

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 63: Compliance Certification**

**Effective between the dates of 10/22/2002 and 10/21/2007**

**Applicable Federal Requirement: 6NYCRR 230.5**

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 6-MISCL

Process: GAS

Emission Source: GPUMP

**Item 63.2:**

Compliance Certification shall include the following monitoring:

**Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES**

**Monitoring Description:**

The owner or operator of any gasoline dispensing site must maintain records showing the quantity of all gasoline delivered to the site. These records must be retained at the gasoline dispensing site for at least two years, and must be made readily available to the commissioner or the commissioner's representative at any reasonable time.

**Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION**

**Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION**

**Condition 1-39: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 6-MISCL



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**Facility DEC ID: 2620200007**

Process: GEN

Emission Source: TGEN1

Regulated Contaminant(s):

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

**Item 1-39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be required before expiration date of the current permit to determine the NOx emissions from this Emission Source. An approvable stack testing protocol shall be submitted within sixty days of permit issuance. Stack testing shall be conducted in accordance with the approved protocol within thirty days of approval. A report summarizing the results of the stack test shall be submitted within sixty days of the stack test.

Upper Permit Limit: 100 parts per billion by volume  
(dry, corrected to 15% O2)

Reference Test Method: EPA approved

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-40: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 6-MISCL

Process: GEN

Emission Source: TGEN1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two hour average emission of particulates from this

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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: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 1-41: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 6-MISCL

Process: GEN

Emission Source: TGEN2

Regulated Contaminant(s):

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

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**Item 1-41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be required before expiration date of the current permit to determine the NOx emissions from this Emission Source. An approvable stack testing protocol shall be submitted within sixty days of permit issuance. Stack testing shall be conducted in accordance with the approved protocol within thirty days of approval. A report summarizing the results of the stack test shall be submitted within sixty days of the stack test.

Upper Permit Limit: 100 parts per billion by volume  
(dry, corrected to 15% O2)

Reference Test Method: EPA Approved

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-42: Compliance Certification**

**Effective between the dates of 05/16/2007 and 10/21/2007**

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

**Item 1-42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 6-MISCL

Process: GEN

Emission Source: TGEN2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-42.2:**

Compliance Certification shall include the following monitoring:

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

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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: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 64: Contaminant List**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

**Applicable State Requirement: ECL 19-0301**

**Item 64.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this



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permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY998-00-0

Name: VOC

**Condition 65: Unavoidable noncompliance and violations**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

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

**Item 65.1:**

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 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 superceded 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



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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 66: Air pollution prohibited**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 66.1:**

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

**Condition 1-43: Compliance Demonstration**  
**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 1-43.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-43.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall be kept clean and free of debris, grease, spilled carbon and other waste materials. Daily inspections shall be made by the appropriate staff to assure that such cleaning has been done. The result of daily inspections shall be recorded in a log book and shall be made available to the Department upon request.

Monitoring Frequency: DAILY



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Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-44: Compliance Demonstration**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 1-44.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-44.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must maintain records of inspections performed, samples collected and analyzed, maintenance activities performed for the odor control system components, and report it to the Department.

Monitoring Frequency: PER SHIFT

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 1-45: Compliance Demonstration**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 1-45.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-45.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Permittee shall follow best engineering procedures and take precautions to minimize odors. These shall include, but not limited to, keeping the doors, windows, and gates of buildings/structures that are sources of odors/ odor pathways, closed except when absolutely



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necessary for plant operation/maintenance.

The Permittee shall ensure that all off-gases from odor producing processes (eg. aeration tanks, settling tanks, digesters etc) are conducted to appropriate control equipment and the off gas transport system does not have any leakages. Head spaces of odorous processes shall be ventilated at rates which follow good engineering practice. All outdoor containers with products must be covered at all times and no odors are allowed to escape from the containers.

NYCDEP North River WPCP shall implement the findings of the odor control study.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 1-46: Compliance Demonstration**

**Effective between the dates of 05/16/2007 and 10/21/2007**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 1-46.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-46.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NYCDEP shall continue monitoring of hydrogen sulfide in the four in-plant monitoring stations. The permittee shall transmit real time H<sub>2</sub>S data from all in-plant continuous monitoring stations, to the Department by telemetry on a continuous basis to the NYSDEC Annex office.

New York City DEP shall monitor H<sub>2</sub>S levels in each plenum (one from each of the three odor control systems - north, south, northwest), at least twice daily using a Jerome meter. These H<sub>2</sub>S readings are to remain less than 10 ppb at all times. In the event the H<sub>2</sub>S levels are above 10 ppb in any plenum, NYCDEP shall investigate the source of the higher readings and take appropriate action. If the



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source of the problem is a carbon vessel with less than 95% H<sub>2</sub>S capture capacity, DEP shall have the carbon replenished no later than 15 business days after such reading is observed. Permittee shall record the date and time of such observations and date and time carbon replaced. An explanatory report shall be included of any occasion of H<sub>2</sub>S reading above 15 ppb with the Quarterly Report.

This Jerome meter shall be maintained and calibrated per manufacturer's recommendations. The Jerome meter shall have an accuracy of +/- 3 ppb. The maintenance and calibration data, as well as the H<sub>2</sub>S measurement data, shall be reported to the Department on a quarterly (calendar) basis.

The Permittee will submit quarterly (calendar) report to the Department within 30 days of the end of the applicable quarter.

Monitoring Frequency: DAILY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 3 calendar month(s).

**Condition 76: Compliance Demonstration**  
**Effective between the dates of 10/22/2002 and 10/21/2007**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 76.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 76.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility shall establish a complaint response procedure to manage complaints received at this facility. The procedure shall be designed to ensure that complaints are adequately received and documented, and receive timely response. The facility shall, at a minimum, include the following in the procedures,

1. Establish a complaint phone line that is available

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during the time plant is operating (24 hours a day, 7 days a week).

2. Commence an odor investigation survey of the plant immediately (within a period not exceeding two hours of receiving an odor complaint by the complaint line).
3. Acknowledge all complaints received on answering machine/voice mail, by calling the complainant within a period not exceeding one hour.
4. The permittee shall notify the Department of all odor complaints received regarding the North River WPCP within 2 hours of its initial receipt by telefax to the attention of North River Environmental Monitor.
5. Take prompt action to investigate source and abate the situation that caused the complaint.
6. Permittee shall call back complainant within four hours from the time complainant's call is received (unless the complainant would prefer to be contacted at another time), with the results of the survey and corrective actions that are taken.
7. Fully document the complaint, results of investigation, and any corrective actions taken.
8. Maintain and submit written reports, on a semiannual basis and 10 days after the incident, all the records regarding odor complaints. These shall include the following, at a minimum: name, address and telephone number of complainant, date and time of call, description of complaint, when and where the complainant noticed the nuisance odor, climatic conditions, cause of complaint, corrective action taken in response to complaint, name, title and signature of shift superintendent on duty at the time of the survey.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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