

New York State Department of Environmental Conservation
Facility DEC ID: 8261400313



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-2614-00313/00011
Effective Date: 06/06/2001 Expiration Date: 06/06/2006

Permit Issued To: MONROE COUNTY
39 WEST MAIN ST
ROCHESTER, NY 14614-1218

Contact: GLENN CURTIS
MONROE CO ENVIRONMENTAL SERVICES
50 WEST MAIN ST
ROCHESTER, NY 14614
(716) 760-7610

Facility: FRANK E VAN LARE WASTEWATER TREATMENT
1574 LAKE SHORE BLVD
ROCHESTER, NY 14617

Contact: JOHN G. KIREECKI
MONROE COUNTY - DEPT OF ENVIRONMENTAL SERVICES
1574 LAKE SHORE BLVD
ROCHESTER, NY 14617
(716) 760-7610

Description:
Initial Title V Facility Permit for an existing wastewater treatment plant. Monroe County's Van Lare Water Pollution Control Plant meets the definition of a Major Source in 6 NYCRR Part 201-2.1(b)(21), and is subject to Part 201-6 requirements for a Title V Facility Permit, due to potential emissions of SO₂ and CO in excess of 100 tons per year each.

Emission units include:

1-INCIN, consisting of three natural gas fired sewage sludge incinerators normally vented through a single main stack emission point, but each with a separate backup stack emission point; and

1-WWTMT, covering the entire wastewater treatment process, including an influent structure, clarifiers, thickening tanks, aeration distribution boxes, aeration tanks, secondary distribution, secondary effluent, and holding tanks.

This permit also includes a NO_x RACT cap, restricting NO_x emissions to 95 tons per year by limiting annual natural gas usage and the amount of sludge to be incinerated. This will limit NO_x emissions to below the 100 ton per year Part 212 NO_x RACT threshold for a Major Source.

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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: PETER A. LENT
6274 EAST AVON LIMA RD
AVON, NY 14414-9519

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, agents, and assigns for all claims, suits, actions, damages, and costs of every name and description, arising out of or resulting from the permittee's undertaking of activities or operation and maintenance of the facility or facilities authorized by the permit in compliance or non-compliance with the terms and conditions of the permit.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 8
HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

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

Item 3.1:

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

Item 3.2:

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

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

Item 4.1:

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

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modification, suspension or revocation include:

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

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 8 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 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(716) 226-2466



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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LIST OF CONDITIONS

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affected sources

- 41 Sludge Sampling-Sludge incineration and drying plants.
(may be used as an alternative to stack testing)
- 42 Recycling and Emissions Reduction

Emission Unit Level

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- 44 Process Definition By Emission Unit
- 45 Compliance Certification (EU=1-INCIN)
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Facility Level

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- 50 Air pollution prohibited
- 51 Compliance Certification

Emission Unit Level

- 52 Compliance Certification (EU=1-INCIN)
- 53 Compliance Certification (EU=1-WWTMT)

Authorized Activity By Standard Industrial Classification Code:

4952 - SEWERAGE SYSTEMS

Permit Effective Date: 06/06/2001

Permit Expiration Date: 06/06/2006



FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 1: Sealing
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 200.5

Item 1.1:

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

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

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

Condition 2: Acceptable ambient air quality
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 2.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the commissioner shall specify the degree and/or method of emission control required.

Condition 3: Maintenance of equipment
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 200.7

Item 3.1:

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



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specifications, required to operate such device effectively.

Condition 4: Unpermitted Emission Sources
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 4.1:

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

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

Condition 5: Unavoidable Noncompliance and Violations
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-1.4

Item 5.1:

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

- (a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit or certificate issued for the corresponding air contamination source. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.
- (b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate



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of the emission rates.

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

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

Condition 6: Emergency Defense
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 6.1:

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

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

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

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

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

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

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

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

Condition 7: Recycling and Salvage
Effective between the dates of 06/06/2001 and 06/06/2006



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Applicable Federal Requirement: 6NYCRR 201-1.7

Item 7.1:

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

Condition 8: Prohibition of Reintroduction of Collected Contaminants to the Air

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 8.1:

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 9: Public Access to Recordkeeping for Title V facilities

Effective between the dates of 06/06/2001 and 06/06/2006

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

Item 9.1:

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

Condition 10: Proof of Eligibility

Effective between the dates of 06/06/2001 and 06/06/2006

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

Item 10.1:

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

Condition 11: Proof of Eligibility

Effective between the dates of 06/06/2001 and 06/06/2006

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

Item 11.1:



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

Condition 12: Applicable Criteria, Limits, Terms, Conditions and Standards
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 12.1:

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

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

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

Item 12.2:

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

Condition 13: Cessation or Reduction of Permitted Activity Not a Defense
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 13.1:

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

Condition 14: Compliance Requirements
Effective between the dates of 06/06/2001 and 06/06/2006



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Applicable Federal Requirement: 6NYCRR 201-6.

Item 14.1:

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

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

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

Item 14.2:

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

Item 14.3:

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 15: Federally-Enforceable Requirements
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 15.1:

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that



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are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

Condition 16: Fees

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 16.1:

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

Condition 17: Monitoring, Related Recordkeeping and Reporting Requirements

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 17.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 18: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 18.1:

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

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Condition 19: Permit Shield

Effective between the dates of 06/06/2001 and 06/06/2006



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Applicable Federal Requirement: 6NYCRR 201-6.

Item 19.1:

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

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

Condition 20: Property Rights

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 20.1:

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

Condition 21: Reopening for Cause

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 21.1:

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

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



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

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

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

Item 21.2:

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

Item 21.3:

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

Condition 22: Right to Inspect

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 22.1:

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

i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

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

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

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

Condition 23: Severability

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.



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Item 23.1:

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

Condition 24: Emission Unit Definition

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 24.1:

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

Emission Unit: 1-INCIN

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THREE MULTIPLE HEARTH SEWAGE SLUDGE INCINERATORS. THE THREE NATURAL GAS FIRED INCINERATORS HAVE A TOTAL DESIGN CAPACITY OF 155 TONS OF DRY SLUDGE PER DAY (TONS/DAY) (UNIT NOS. 4 AND 5 HAVE A DESIGN CAPACITY OF 61 TONS/DAY EACH AND UNIT NO. 3 HAS A CAPACITY OF 33 TONS/DAY). EACH MULTIPLE HEARTH INCINERATOR HAS AN INTERNAL AFTERBURNER TO REDUCE VOC AND ORGANIC HAP EMISSIONS. THERE ARE FOUR BURNERS ASSOCIATED WITH EACH AFTER BURNER - TWO PRIMARY AND TWO BACKUP UNITS. IN ADDITION, THE PARTICULATES, METALS AND ACID GASES IN THE EXHAUST GASES ARE CONTROLLED BY AN IMPINGEMENT TRAY SCRUBBER (ONE SCRUBBER FOR EACH INCINERATOR). THE INCINERATORS ARE EXHAUSTED THROUGH ONE MAIN STACK. IF THE MAIN STACK CANNOT BE USED, EACH INCINERATOR EXHAUSTS TO ITS OWN INDIVIDUAL BACKUP STACK. EXHAUSTS FROM ALL OF THE STACKS ARE CONTROLLED. THE INCINERATORS ARE EXHAUSTED THROUGH THE FOLLOWING STACKS:
E.P. 00001 - COMMON STACKS FOR ALL THREE INCINERATORS
E.P. 00111 - INCINERATOR NO. 3 BACKUP STACK
E.P. 00112 - INCINERATOR NO. 4 BACKUP STACK
E.P. 00113 - INCINERATOR NO. 5 BACKUP STACK

Building(s): SHC

Item 24.2:



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Facility DEC ID: 8261400313

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

Emission Unit: 1-WWTMT

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THE WASTEWATER TREATMENT PROCESS, INCLUDING THE PRIMARY INFLUENT STRUCTURE, PRIMARY CLARIFIERS, THICKENING TANKS, AERATION DISTRIBUTION BOXES, AERATION TANKS, AND SECONDARY DISTRIBUTION BOX, SECONDARY CLARIFIERS, SECONDARY EFFLUENT, AND HOLDING TANKS. IN ADDITION, THERE ARE 13 CARBON TOWERS AND THREE SCRUBBERS USED TO REDUCE ODORS AT THE FACILITY. THE FACILITY IS PERMITTED TO PROCESS 135 MILLION GALLONS PER DAY OF WASTEWATER, AND HAS A TOTAL ADDITIONAL CAPACITY OF 450 MILLION GALLONS PER DAY TO HANDLE BOTH WASTEWATER AND STORMWATER.

Building(s): PLANT
SHC

Condition 26: Compliance Certification
Effective between the dates of 06/06/2001 and 06/06/2006

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

In the case of any condition contained in this permit with



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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 every 6 calendar months (January - June, July - December)

Condition 25: Compliance Certification
Effective between the dates of 06/06/2001 and 06/06/2006

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

Item 25.1:
The Compliance Certification activity will be performed for the Facility.

Item 25.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status

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of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;

- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

6274 East Avon-Lima Road
Avon, NY 14414-9519

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway
Albany, NY 12233-3258



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Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after previous reporting period

Condition 27: Permit Exclusion Provisions

Effective between the dates of 06/06/2001 and 06/06/2006

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

Item 27.1:

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 28: Non Applicable requirements

Effective between the dates of 06/06/2001 and 06/06/2006

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

Item 28.1:

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

Condition 29: Required emissions tests

Effective between the dates of 06/06/2001 and 06/06/2006

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Applicable Federal Requirement: 6NYCRR 202-1.1

Item 29.1:

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

Condition 30: Compliance Certification

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 31: Recordkeeping requirements

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 31.1:

(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 32: Visible emissions limited.



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Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 211.3

Item 32.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 33: Facility Permissible Emissions

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 212.10(d)

Item 33.1:

The sum of emissions from the emission units specified in this permit shall not exceed the following Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY210-00-0 PTE: 190,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 34: Compliance Certification

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 212.10(d)

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility is limited to 95 tons/year of NO_x emissions to avoid NO_x RACT requirements. NO_x sources at the facility are two 13.4 mmBtu/hr boilers and a sludge incinerator. The facility shall record monthly the natural gas used by the boilers, and the amount of sludge burned in the incinerator. Natural gas emission rates



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for NO_x are 100 lb NO_x/10⁶ scf natural gas for each boiler (per "Compilation of Air Pollutant Emission Factors, AP-42", Vol. 1, Ch. 1 rev. 7/98) and 3.49 lb NO_x/dry ton incinerated for sludge incinerator (per 1996 stack testing data).

The maximum allowable dry ton throughput for the incinerator under the NO_x cap is 46,292 tons of sludge per year.

A summary of the annual sludge throughput and NO_x emissions shall be included in the Semi-Annual Report, according to 201-6.5(c)(3).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: MATERIAL

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 95 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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

**Condition 35: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 06/06/2001 and 06/06/2006**

Applicable Federal Requirement: 6NYCRR 215.

Item 35.1:

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

**Condition 36: Ambient Monitoring
Effective between the dates of 06/06/2001 and 06/06/2006**

Applicable Federal Requirement: 40CFR 61.30, NESHAP Subpart C

Item 36.1:

Air Sampling:

(a) Stationary sources subject to the alternative standard (ambient concentration limit) shall locate air sampling sites in accordance with a plan approved by the Administrator. Such sites shall be located in such a manner as is calculated to detect maximum concentrations of beryllium in the ambient air.

(b) All monitoring sites shall be operated continuously except for a reasonable time allowance for instrument maintenance and calibration, for changing filters, or for replacement of equipment needing major repair.

(c) Filters shall be analyzed and concentrations calculated within 30 days after filters are collected. Records of concentrations at all sampling sites and other data needed to determine such concentrations



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shall be retained at the source and made available, for inspection by the Administrator, for a minimum of 2 years.

(d) Concentrations measured at all sampling sites shall be reported to the Administrator every 30 days by a registered letter.

(e) The Administrator may at any time require changes in, or expansion of, the sampling network.

Condition 37: burning of beryllium prohibited
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 40CFR 61.30, NESHAP Subpart C

Item 37.1:

The burning of beryllium and/or beryllium-containing waste, except propellants, is prohibited except in incinerators, emissions from which must comply with the standard.

Condition 38: Stack Sampling
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 40CFR 61.30, NESHAP Subpart C

Item 38.1:

Unless a waiver of emission testing is obtained, each owner or operator of a source required to comply with the 24-hour standard shall test emissions from the source according to Method 104 of appendix B to 40CFR61. Method 103 of appendix B is approved as an alternative method. The emission test shall be performed:

1. Within 90 days of startup for new sources which did not have an initial startup date preceding the effective date of Subpart C.
2. The Administrator shall be notified at least 30 days prior to an emission test so that he may at his option observe the test.
3. Samples shall be taken over such a period or periods as are necessary to accurately determine the maximum emissions which will occur in any 24-hour period. Where emissions depend on the relative frequency of operation of different types of processes, operating hours, operating capacities, or other factors, the calculation of maximum 24-hour -period emissions will be based on that combination of factors which is likely to occur during the subject period and which result in the maximum emissions. No changes in the operation shall be made, which would potentially increase emissions above that determined by the most recent source test, until a new emission level has been estimated by calculation and the results reported to the Administrator.
4. All samples shall be analyzed and beryllium emissions shall be determined within 30 days after the source test. All determinations shall be reported to the Administrator by a registered letter dispatched before the close of the next business day following such determination.
5. Records of emission test results and other data needed to determine total emissions shall be retained at



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the source and made available, for inspection by the Administrator, for a minimum of 2 years.

**Condition 39: Alternative Emission Limit and requirements
Effective between the dates of 06/06/2001 and 06/06/2006**

Applicable Federal Requirement: 40CFR 61.30, NESHAP Subpart C

Item 39.1:

Alternate Emission Standard:

A source owner may request approval from the administrator to meet an ambient concentration limit on beryllium in the vicinity of the stationary source of 0.01 ug/m³, averaged over a 30-day period, provided that:

1. At least 3 years of data is available which in the judgement of the Administrator demonstrates that the future ambient concentrations of beryllium in the vicinity of the stationary source will not exceed this limit. Such 3 year-period shall be 3 years ending 30 days before the effective date of 40CFR61 Subpart C.
2. The owner or operator requests such approval in writing within 30 days after the effective date of Subpart C.
3. The owner or operator submits a report to the Administrator within 45 days after the effective date of Subpart C which report includes the following information:
 - A. Description of sampling method including the method and frequency of calibration.
 - B. Method of sample analysis.
 - C. Averaging technique for determining 30-day average concentrations.
 - D. Number, identity, and location of sampling sites.
 - E. Ground elevation and height above ground of sampling inlets.
 - F. Plant and sampling area plots showing emission points and sampling sites. Topographic features significantly affecting dispersion including plant building heights and location shall be included.
 - G. Information necessary for estimating dispersion including stack height, inside diameter, exit gas temperature, exit velocity or flow rate, and beryllium concentration.
 - H. A description of data and procedures used to design the air sampling network (i.e. number and location of sites)
 - I. Air sampling data indicating beryllium concentrations in the vicinity of the stationary source for the 3 year period ending 30 days before the effective date of Subpart C. This



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data shall be presented chronologically and include the beryllium concentration and location of each individual sample taken by the network and the corresponding 30-day average beryllium concentrations.

Within 60 days after receiving such report, the Administrator will notify the owner or operator in writing whether approval is granted or denied.

2. The burning of beryllium and/or beryllium-containing waste, except propellants, is prohibited except in incinerators, emissions from which must comply with the standard.

3. Air Sampling.

A. Stationary sources shall locate air sampling sites in accordance with a plan approved by the Administrator of the Federal Environmental Protection Agency. Such sites shall be located in such a manner as is calculated to detect maximum concentrations of beryllium in the ambient air.

B. All monitoring sites shall be operated continuously except for a reasonable time allowance for instrument maintenance and calibration, for changing filters, or for replacement of equipment needing major repair.

C. Filters shall be analyzed and concentrations calculated within 30 days after filters are collected. Records of concentrations at all sampling sites and other data needed to determine such concentrations shall be retained at the source and made available, for inspection by the Administrator, for a minimum of 2 years.

D. Concentrations measured at all sampling sites shall be reported to the Administrator every 30 days by a registered letter.

E. The Administrator may at any time require changes in, or expansion of, the sampling network.

**Condition 40: Emission Standard and stack test requirements for all affected sources
Effective between the dates of 06/06/2001 and 06/06/2006**

Applicable Federal Requirement: 40CFR 61.30, NESHAP Subpart C

Item 40.1:

1. Emission Standard.

A. Emissions to the atmosphere shall not exceed 10 grams of beryllium over a 24-hour period.

B. The burning of beryllium and/or beryllium containing waste, except propellants, is prohibited except in incinerators, emissions from which must comply with the standard.

2. Stack Testing.



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A. Each owner or operator shall test emissions from the affected source according to Method 104 of Appendix B to 40CFR61. Method 103 of Appendix B is approved as an alternative test method. The emission test shall be performed within 90 days of startup.

B. The Administrator shall be notified at least 30 days prior to an emission test so that he may at his option observe the test.

C. Samples shall be taken over such a period or periods as are necessary to accurately determine the maximum emissions which will occur in any 24-hour period. Where emissions depend upon the relative frequency of operation of different types of processes, operating hours, operating capacities, or other factors, the calculation of maximum 24-hour-period emissions will be based on that combination of factors which is likely to occur during the subject period and which result in the maximum emissions. No changes in the operation shall be made, which would potentially increase emissions above that determined by the most recent source test, until a new emission level has been estimated by calculation and the results reported to the Administrator.

D. All samples shall be analyzed and beryllium emissions shall be determined within 30 days after the source test. All determinations shall be reported to the Administrator by a registered letter dispatched before the close of the next business day following such determination.

E. Records of emission test results and other data needed to determine total emissions shall be retained at the source and made available, for inspection by the Administrator, for a minimum of 2 years.

**Condition 41: Sludge Sampling-Sludge incineration and drying plants.
(may be used as an alternative to stack testing)
Effective between the dates of 06/06/2001 and 06/06/2006**

Applicable Federal Requirement: 40CFR 61.50, NESHAP Subpart E

Item 41.1:

Sludge Sampling. As an alternative to stack sampling, an owner or operator may use Method 105 of Appendix B to 40CFR61 and the following procedures.

1. A sludge test shall be conducted within 90 days of startup .
2. The Administrator shall be notified at least 30 days prior to a sludge sampling test, so that he may at his option observe the test.
3. Sludge shall be sampled according to EPA Method 105-Determination of Mercury in Wastewater Treatment Plant Sewage Sludges. A total of three composite samples shall be obtained within an operating period of 24 hours. When the 24-hour operating period is not continuous, the total sampling period shall not exceed 72 hours after the first grab sample is obtained. Samples shall not be exposed to any condition that may result in mercury contamination or loss.
4. The maximum 24-hour period sludge incineration or drying rate shall be determined by use of a flow rate measurement device that can measure the mass rate of sludge charged to the incinerator or dryer with an accuracy of +/- 5 percent over its operating range. Other methods of measuring sludge mass charging rates may be used if they have received prior approval by the Administrator.

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5. The sampling, handling, preparation, and analysis of sludge samples shall be accomplished according to Method 105 in Appendix B of 040CFR61.

6. The mercury emissions shall be determined by use of the following equation:

$$E_{Hg} = (MQF_{sm}(avg))/1000$$

Where: E_{Hg} = Mercury emissions, g/day.

M = Mercury concentration of sludge on a dry solids basis, ug/g.

Q = Sludge changing rate, kg/day.

F_{sm} = Weight fraction of solids in the collected sludge after mixing.

1000 = Conversion factor, kg ug/g².

7. No changes in the operation of a plant shall be made after a sludge test has been conducted which would potentially increase emissions above the level determined by the most recent sludge test, until the new emission level has been estimated by calculation and the results reported to the Administrator.

8. All sludge samples shall be analyzed for mercury content within 30 days after the sludge sample is collected. Each determination shall be reported to the Administrator by a registered letter dispatched within 15 calendar days following the date such determination is completed.

9. Records of sludge sampling, charging rate determination and other data needed to determine mercury content of wastewater treatment plant sludges shall be retained at the source and made available, for inspection by the Administrator, for a minimum of 2 years.

Condition 42: Recycling and Emissions Reduction
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 42.1:

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

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.



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d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR Part 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

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

**Condition 43: Emission Point Definition By Emission Unit
Effective between the dates of 06/06/2001 and 06/06/2006**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 43.1:

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

Emission Unit: 1-INCIN

Emission Point: 00001

Height (ft.): 175 Diameter (in.): 120
NYTMN (km.): 4790.221 NYTME (km.): 290.629 Building: SHC

Emission Point: 00111

Height (ft.): 57 Length (in.): 45 Width (in.): 32
Building: SHC

Emission Point: 00112

Height (ft.): 57 Length (in.): 60 Width (in.): 43
Building: SHC

Emission Point: 00113

Height (ft.): 65 Length (in.): 60 Width (in.): 43
Building: SHC

Item 43.2:

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

Emission Unit: 1-WWTMT

Emission Point: 00002

Height (ft.): 23 Diameter (in.): 48
NYTMN (km.): 4790.221 NYTME (km.): 290.629 Building: PLANT

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Emission Point: 00003			
Height (ft.): 31	Length (in.): 54	Width (in.): 42	
NYTMN (km.): 4790.221	NYTME (km.): 290.629	Building: PLANT	
Emission Point: 00004			
Height (ft.): 23	Diameter (in.): 48		
NYTMN (km.): 4790.221	NYTME (km.): 290.629	Building: PLANT	
Emission Point: 00005			
Height (ft.): 85	Diameter (in.): 12		Building: PLANT
Emission Point: 00006			
Height (ft.): 9	Diameter (in.): 24		Building: PLANT
Emission Point: 00007			
Height (ft.): 14	20	Diameter (in.): 18	Building: PLANT
Emission Point: 00008			
Height (ft.): 14	Diameter (in.): 18		Building: PLANT
Emission Point: 00009			
Height (ft.): 9	Diameter (in.): 36		Building: PLANT
Emission Point: 00010			
Height (ft.): 31	Diameter (in.): 72		Building: PLANT
Emission Point: 00011			
Height (ft.): 37	Diameter (in.): 48		Building: PLANT
Emission Point: 00012			
Height (ft.): 37	Diameter (in.): 48		Building: PLANT
Emission Point: 00013			
Height (ft.): 10	Diameter (in.): 10		Building: PLANT
Emission Point: 00110			
Height (ft.): 51	Diameter (in.): 91		Building: SHC

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Condition 44: Process Definition By Emission Unit
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 44.1:

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

Emission Unit: 1-INCIN

Process: INC

Source Classification Code: 5-01-005-15

Process Description:

PROCESS INC CONSISTS OF THE THREE MULTIPLE HEARTH SEWAGE SLUDGE INCINERATORS, EACH WITH FOUR AFTERBURNERS AND IMPINGEMENT TRAY SCRUBBERS. THE FACILITY IS CONTINUOUSLY MONITORING AND REVIEWING THE TOTAL HYDROCARBON (THC), WET/DRY O₂ AND THE COMBUSTION TEMPERATURE TO ENSURE COMPLIANCE WITH PART 503.

Emission Source/Control: ABRNR - Control

Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: ISCRB - Control

Control Type: IMPINGEMENT PLATE SCRUBBER

Emission Source/Control: INCN1 - Incinerator

Design Capacity: 61 tons per day

Waste Feed Method: CHUTE FED

Waste Type: SEWAGE SLUDGE

Emission Source/Control: INCN2 - Incinerator

Design Capacity: 33 tons per day

Waste Feed Method: AUTOMATIC PNEUMATIC FEED, SCREW CONVEYOR

Waste Type: SEWAGE SLUDGE

Emission Source/Control: INCN3 - Incinerator

Design Capacity: 61 tons per day

Waste Feed Method: CHUTE FED

Waste Type: SEWAGE SLUDGE

Item 44.2:

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

Emission Unit: 1-WWTMT

Process: WW1

Source Classification Code: 5-01-007-01



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Process Description:

THE VAN LARE WATER POLLUTION CONTROL PLANT
CLEANS AND DISINFECTS WASTEWATER AND
STORMWATER PRIOR TO BEING DISCHARGED INTO
LAKE ONTARIO.

Emission Source/Control: CTWRS - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: SCRUB - Control

Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: ADIST - Process

Emission Source/Control: ATANK - Process

Emission Source/Control: CTRFG - Process

Emission Source/Control: DTANK - Process

Emission Source/Control: HTANK - Process

Emission Source/Control: PCLAR - Process

Emission Source/Control: PINFL - Process

Emission Source/Control: SCLAR - Process

Emission Source/Control: SDIST - Process

Emission Source/Control: SEFFL - Process

Emission Source/Control: TTANK - Process

Condition 45: Compliance Certification

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 212.3(b)

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

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Facility DEC ID: 8261400313



Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY OPERATES WET SCRUBBERS TO REDUCE PARTICULATE EMISSIONS FROM THE SLUDGE INCINERATORS: EP00111, 00112 AND 00113. THE FACILITY SHALL MEASURE THE PRESSURE DIFFERENTIAL ACROSS THE WET SCRUBBER ON A CONTINUOUS BASIS TO DEMONSTRATE OPERATION OF THE SCRUBBER DURING INCINERATOR OPERATIONS. THE PRESSURE DIFFERENTIAL PRESSURE SHALL REMAIN ABOVE 5.2 " (6-HEARTH: EP00111) AND 5.0" (11-HEARTH: EP00112, 00113). THE SCRUBBER DIFFERENTIAL DATA WILL BE LOGGED IN THE COMPUTER DATABASE IN 6-MINUTE INTERVALS. STACK TESTING SHALL BE PERFORMED TO DEMONSTRATE COMPLIANCE UPON REQUEST OF THE DEC.

Upper Limit of Monitoring: 0.15 grains per dscf

Reference Test Method: US EPA METHOD 5

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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

Condition 46: Compliance Certification

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 6NYCRR 212.6

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

THE OPACITY SHALL NOT EXCEED 20 PERCENT. COMPLIANCE SHALL BE DEMONSTRATED BY MONITORING THE TOTAL HYDROCARBONS (THC)



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USING A CONTINUOUS EMISSION MONITORING SYSTEM (CEM). BASED ON THE FACILITY'S 40 CFR 503 PERMIT, THE THC IS LIMITED TO A MONTHLY CORRECTED AVERAGE CONCENTRATION OF 100 PPM (AS PROPANE) @7% OXYGEN. CORRECTIVE MEASURES WILL BE TAKEN IMMEDIATELY AND RECORDED IF THE CEM'S THC READING EXCEEDS 250 PPM FOR A 10-MINUTE PERIOD. (OPACITY VIOLATIONS TYPICALLY OCCUR WITH A THC READING OF 300 PPM OR MORE).

Parameter Monitored: CONCENTRATION

Upper Limit of Monitoring: 250 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: EPA METHOD 25A

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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

Condition 47: Compliance Certification

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable Federal Requirement: 40CFR 61.50, NESHAP Subpart E

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant:

CAS No: 007439-97-6

Name: MERCURY

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A. Emission Standard. Emissions to the atmosphere from sludge incineration plants, sludge drying plants, or a combination of these that process wastewater treatment plant sludges shall not exceed 3200 grams of mercury per 24-hour period.

B. Stack Testing Method 101A in Appendix B to 40CFR61

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shall be used to test emissions as follows:

(1) The test shall be performed within 90 days of startup in the case of a new source. Existing sources were to be tested within 90 days of the effective date of 40CFR61 Subpart E.

(2) The Administrator shall be notified at least 30 days prior to an emission test, so that he may at his option observe the test.

0 (3) Samples shall be taken over such a period or periods as are necessary to determine accurately the maximum emissions which will occur in a 24-hour period. No changes shall be made in the operation which would potentially increase emissions above the level determined by the most recent stack test, until the new emission level has been estimated by calculation and the results reported to the Administrator.

(4) All samples shall be analyzed and mercury emissions shall be determined within 30 days after the stack test. Each determination shall be reported to the Administrator by a registered letter dispatched within 15 calendar days following the date such determination is completed.

(5) Records of emission test results and other data needed to determine total emissions shall be retained at the source and shall be made available, for the inspection by the Administrator, for a minimum of 2 years.

C. Sludge sampling. As an alternative means to stack testing for demonstrating compliance with the emission standard, an owner or operator may follow the procedures found in 40CFR61.54- sludge sampling.

D. Monitoring of emissions and operations. All sources for which mercury emissions exceed 1,600 grams per 24-hour period, demonstrated either by stack sampling according to 40CFR61.53 or sludge sampling according to 40CFR61.54, shall monitor mercury emissions at intervals of at least once per year by use of Method 105 of 40CFR61 Appendix B or use the procedures specified in 40CFR61.53 (d)(2) and (4). The results of monitoring shall be reported by a registered letter dispatched within 15 calendar days following the date samples are analyzed. Records of sampling results shall be retained at the

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source and made available for inspection for a minimum of 2 years.

Parameter Monitored: MERCURY

Upper Limit of Monitoring: 3200 grams per day

Reference Test Method: EPA Method 101A

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 48: General Provisions

Effective between the dates of 06/06/2001 and 06/06/2006

Applicable State Requirement: 6NYCRR 201-5.

Item 48.1:

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

Item 48.2:

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

Item 48.3:

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

Condition 49: Contaminant List

Effective between the dates of 06/06/2001 and 06/06/2006

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

Item 49.1:

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

CAS No: 0NY100-00-0
Name: HAP

CAS No: 007439-97-6
Name: MERCURY

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



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CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Condition 50: Air pollution prohibited
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable State Requirement: 6NYCRR 211.2

Item 50.1:

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 51: Compliance Certification
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable State Requirement: 6NYCRR 211.2

Item 51.1:

The Compliance Certification activity will be performed for the Facility.

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

bMonitoring Description:

The facility shall monitor and maintain the nine odor-control carbon towers (EP00005 - EP00013) according to vendor specifications. At a minimum, monitoring shall include recording the differential pressure for each carbon tower per shift and inspecting the carbon beds monthly. Inspection dates along with maintenance activities shall be recorded in a log book, and be available upon request to the regulatory agency.

A brief summary of inspection and maintenance activities, including deviations, shall be included in the Semi-Annual Report.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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



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

Condition 52: Compliance Certification
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable State Requirement: 6NYCRR 212.3(a)

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant:

CAS No: 0NY100-00-0

Name: HAP

Item 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The three incinerators (EP00111, 00112, 00113) shall operate under the following parameters, to remain in compliance with 212.3(a), 40 CFR 61.32 (Subpart C, National Emission Standard for Beryllium) and 40 CFR 61.52 (Subpart E, National Emission Standard for Mercury). These parameters were determined during the 40 CFR 503 stack testing in 1993.

1) Avg. sludge feed rate:

6-Hearth (EP00111)

2,700 dry lb/hr

11-Hearth (EP00112, 00113)

5,000 dry lb/hr

2) Afterburner Temperature:

6-Hearth

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1050 - 1350 F

11-Hearth

1050 - 1350 F

3) Scrubber Differential Pressure:

6-Hearth

5.2 "

11-Hearth

5.0 "

A summary of these recorded parameters shall be included in the Semi-Annual and Annual Reports.

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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

Condition 53: Compliance Certification
Effective between the dates of 06/06/2001 and 06/06/2006

Applicable State Requirement: 6NYCRR 211.2

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-WWTMT

Item 53.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emission points 00002, 00003, 00004

The facility shall maintain the following parameters of the scrubbers to assure proper operation of the odor

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abatement devices:

Gas flow rate, SCFM: 15,000
30,000
Scrubber recirculation, GPM: > 184 >
384
Scrubbing solution, pH: > 7.49 >
7.49
Hypochlorite solution, %: > 0.01 >
0.01

ab The facility shall record the scrubber recirculation rate once per shift, and pH and hypochlorite solution percentage once per day, at a minimum. Log records shall be maintained at the facility for review of Department personnel. A summary of the scrubber readings and odor complaints shall be included in the Semi-Annual Report and Annual Report.

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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